NAV102

Installation and Operation Manual

Manual de Instruccionnes de Instalación y Operación

Instructions d'installation et d'opération

CONTENTS

Thank you for choosing a Jensen product. We hope you will find the instructions in this owner's manual clear and easy to follow. If you take a few minutes to look through it, you'll learn how to use all the features of your new Jensen NAV102 navigation system for maximum enjoyment.

Introduction 1
Safety Information 2
Basic Operation 3
Selecting a Destination 7
Selecting a Point Of Interest 12
Navigating 16
Managing Favorites 18
Setup Menu 24
Troubleshooting 27

CONTENIDOS

Gracias por elegir los productos Jensen. Esperamos que encuentre en este manual instrucciones claras y fáciles de seguir. Si se toma unos pocos minutos para leerlo, aprenderá cómo utilizar todas las funciones de su nuevo sistema de navegación Jensen NAV102 para su máximo entretenimiento.

Introducción 29
Información de Seguridad 30
Operación Básica 31
Seleccionar un Destino 36
Como seleccionar un Punto de Interés 41
Navegación 45
Como Administrar Favoritos 47
Menú de Configuración 53
Resolución de Problemas 56

CONTENU

Merci d'avoir choisi un produit Jensen. Nous espérons que vous trouverez les instructions dans ce guide du propriétaire claires et faciles à suivre. Si vous prenez quelques minutes pour le consulter, vous apprendrez comment utiliser toutes les fonctions de votre système de navigation NAV102 pour jouissance maximale.

Introduction 57
Information de securite 58
Operation de base 59
Selectionner une destination 64
Selectionner un point d'interet 69
Navigation 73
Gestion des favorits 75
Menu configuration 81
Depannage 84

INTRODUCTION

We hope that you enjoy using your new Jensen NAV102 navigation system. This manual is designed to help you get the most out of your system. This navigation system leads you straight to your destination. You can navigate and plan your route with an easy-to-use and intuitive interface, plan your trip to suit your personal preferences and interests, and find and save (bookmark) interesting destinations before you begin your trip.

Key Features

- Powered by Horizon NavMate
- Tele Atlas Map Data
- 11 million POI (Point Of Interest)
- Speed Sensitive Zoom
- Female/Male TTS Voice Guidance
- Female/Male Recorded Voice Guidance
- Turn by Turn Voice Guidance
- Back-Up Data DVD

Specifications

- Samsung S3C2440 (ARM9) 400MHz Processor
- 64MB SDRAM
- 32MB Nand Flash
- Win CE 4.2
- Storage - External SD Card Slot (2GB Card Included w/ Map Data)
- Operating Voltage - Received from Head Unit (11 ~ 16VDC, Negative Ground)

About GPS and GNSS

The NAV102 uses a vehicle GPS (Global Positioning System)-based navigation device which utilizes digital map data to guide you from your selected location A to location B, using location information obtained from a Global Navigation Satellite System (GNSS).

A GNSS consists of a set of satellites that transmit high-frequency radio signals containing time, direction, and distance data that can be picked up by a receiver, allowing users to pinpoint their precise locations anywhere around the globe. Navigation Satellite Receivers (GPS devices) use this transmitted information to calculate an exact location on the earth. Every point on Earth can be identified by latitude and longitude. The receiver uses the information sent by at least three satellites and determines the coordinates of the receiving device.

By comparing the time the signals were transmitted from the satellites and the time they were recorded, the receiver calculates how far away each satellite is. The distance of the receiver from three or more satellites reflects its position on the surface of the planet. Using these distance measurements, the receiver might also be able to calculate speed, bearing, trip time, distance to destination, altitude, etc. The GPS position may be displayed as a point on a digital map (at least three satellites' signals must be received) and as the GPS device moves the corresponding trace is displayed as well.

Please keep in mind that although the radio signals of navigation satellites will pass through clouds, glass, plastic, and other lightweight materials, satellite-navigation receivers will not work underground or in some enclosed spaces.

Horizon NavMate Navigation / Tele Atlas Map Data

The NAV102 2GB SD card is pre-loaded with Horizon NavMate engine and Tele Atlas map data. The map data covers the continental US, Alaska, Hawaii and Puerto Rico.

The initial GPS location lock is best established when your vehicle is parked. If the device is in motion, the signal can take longer to initially connect. Once the initial coordinates are established, the software will follow you as you move and navigate.

NOTE: It may take up to 5 minutes to establish the first connection. Subsequent connections will be faster (30 seconds to 1 minute), but if you have not used the unit for several days or are very far away from the last location you used it, it may take up to 5 minutes again to find a strong signal.

SAFETY INFORMATION

User Agreement

When the Jensen NAV102 is first turned on, you will see the following message, warning you to operate your navigation system appropriately:

You must agree to the above notice before operating the NAV102. Touch the bar labeled "Press to accept." to proceed to the Main Menu.

Driver Safety Rules

The following safety rules must be followed to prevent accidents that can result in injury or death to yourself or others:

- The driver should operate the device only when the vehicle is stopped. Only a vehicle passenger should operate the device while the vehicle is moving. When driving, the need to view the display is minimal. Voice prompts will guide you to your destinations.
- It is your responsibility to comply with all traffic laws.
- The NAV102 is designed to assist you in the process of reaching your destination. It is not a substitute for attentiveness and good judgement. It is your responsibility to disregard any unsafe, hazardous, or illegal route suggestions.
- The device does not include, analyze, process, consider, or reflect any of the following:
  a. Legal restrictions (such as vehicular type, weight, height, width, load and speed restrictions);
  b. Road slope or grade, bridge height, width, weight, or other limits;
  c. Population density;
  d. Neighborhood quality or safety;
  e. Availability or proximity of law enforcement, emergency rescue, medical, or other assistance;
  f. Construction work zones or hazards;
  g. Road or lane closures;
  h. Road, traffic, or traffic facilities' safety or condition;
  i. Weather conditions;
  j. Pavement characteristics or conditions;
  k. Special events;
  l. Traffic congestion.
- While every attempt is made to ensure that the database is accurate, roadways, points of interest, and business and service locations may change over time.
- Do not use the NAV102 to navigate to a police station, hospital, etc. in an emergency. Call 911 for assistance.
- Laws in some states prohibit wearing stereo headphones or may prohibit use or placement of a navigation device while operating a motor vehicle. Please contact your state's Department of Motor Vehicles for information.

BASIC OPERATION

Head Unit Button Functions

Accessing the Navigation Software

Press the **SRC** button and select the NAV icon to access navigation mode.

Selecting / Listening to a Source while Navigating

While navigating, other sources may be selected and listened to such as AM-FM Tuner, CD, etc. To listen to another source while navigating, press the **SRC** button and then select a source from the Source Menu. Navigation voice prompts will be heard automatically, although the navigation map cannot be seen. To view the navigation screen, but continue to listen to the selected source, press the following buttons:

- UV9 / VM9213 / VM9212N / VM9312HD: *Press and hold* the **WIDE** button.
- VM9223: *Press and hold* the **PIC** button.
- VM9413 / VM9423: *Press and hold* the **NAV** button.
- VM9412 / VM9512 / AMM10N / VM9512HD / AMM12N: *Press and hold* the **DISP** button.
- VM9022 / VM9022HD: *Press and hold* the **PIP** button.

Acquiring a Satellite Signal

Drive your vehicle to an open area where the GPS signal can be clearly received and park the vehicle. If the device is in motion, the signal can take longer to initially connect.

With the ignition on, verify that the "GPS" indicator is green. It may take up to 5 minutes to establish the first connection. Subsequent connections will be faster (30 seconds to 1 minute), but if you have not used the unit for several days or are very far away from the last location you used it, it may take up to 5 minutes again to find a strong signal. If you cannot acquire the signal, drive to another location. If the signal is still unobtainable, check your antenna installation.

Once a GPS signal has been established, verify that the information display clock time (time displayed on the radio) matches the navigation system clock. With an established GPS signal, the software will follow you as you move and navigate.

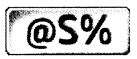
The GPS symbol ( )may change colors indicating the strength of the signal. The GPS symbol colors mean:

- Green - GPS signal is free from obstruction and is being received regularly - at least four satellites are being received.
- Yellow - GPS signal is partially obstructed which means only three satellites are being received.
- Red - GPS signal is unavailable, meaning two or fewer satellites are being received.

Using the Keyboard

Keyboard Command Buttons

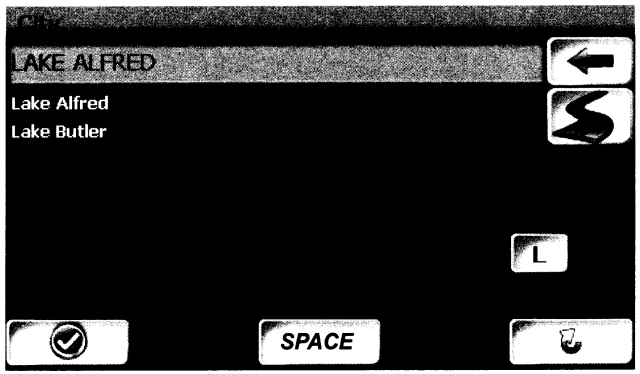
Table 1: Keyboard Command Buttons

	Press to clear your selection and start over.
	Press to switch to City entry.
	Press to switch to Postal Code entry.
	Press to add a space when entering a multi-word location.
	When applicable, the specials characters button appears to the left of the space button, allowing to complete your entry of a business name. Press to view the special characters keyboard.
	Press to confirm current entry and begin navigation.
	Press to return to the previous screen.

Look Ahead Feature

Your NAV102 offers a convenient interactive look-ahead search function to prevent misspelling. Only keys that lead to a search result can be pressed – all others are greyed out.

After entering the second character, only letters that can be used to spell an existing destination will be available for selection of the third character, the fourth character, and so on.

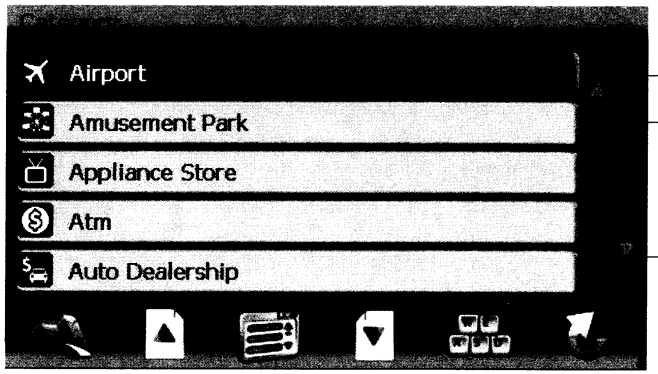


NOTE: On the keyboard screen, the "SPACE" button is located in the bottom center of the screen. Press the Space button to complete the search for entries with more than one word. For example, to locate Lake Mary, enter "Lake_" and then the "M" will become available for selection.

Selecting from Lists

You will often find it necessary to select items from a list. When viewing a list, the marked item appears highlighted in blue.

- Press the blue Λ / V arrow buttons or use the scroll bar on the right side of the screen to navigate the list.
- Use the / buttons to move through the list page by page.
- Touch the marked item to select it.



NOTE: Some lists keep track of the five most recently used selections, which are placed at the top of the screen. This feature allows you to quickly select popular choices.

Function Buttons

Table 2: Common Command Buttons

	Press the map icon to view your current location on the map or to return to map mode.
	Zoom in the map to show a smaller area.
	Zoom out the map to show a larger area.

Table 2: Common Command Buttons

	Press the return icon on any screen to return to the previous screen.
	Press the Menu icon to access the Main Menu.
	After panning map, press to view a list of locations near the selected position.
	Press to repeat voice prompt.
	Press to view the keyboard for direct entry.
	Press to go up one page while viewing a list.
	Press to go down one page while viewing a list.
	Press to begin search based on the selected parameters.

Main Menu

The main menu is your central point of access to all functions of your NAV102. It allows you to set your destination, manage your favorites and control all settings of your device.

The "Main Menu" consists of the following options:

- **Home Address:** Return to Home Address.

- **Go To...**: Choose your destination by searching for an address, choosing an entry from the POI (point of interest) directory, selecting a location from the map, or by choosing a destination from a saved list of recently visited locations or favorites (see "Selecting a Destination" on page 7).
- **Setup**: Configure your navigation to suit your needs. Define general settings (e.g. time, language, or system of measurement), configure your map (e.g. 2D or 3D mode, day or night mode, map complexity) or load a map of a different region, set the route options (e.g. choose to avoid or allow toll roads or ferries, or change the volume (see "Setup Menu" on page 24).
- **Office Address:** Route to Office Address.
- **Trip Computer:** Display Speed, Trip, Odometer and Clock readings.

Navigation Screen

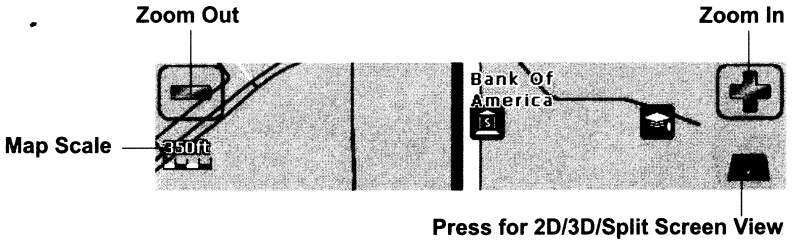
The map is the core component of your NAV102. During navigation, it is centered on your current location by default, provided you have a GPS connection.

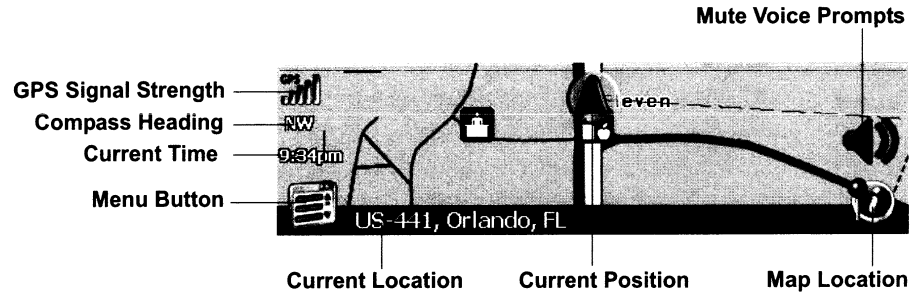
In Tracking mode, the map follows your actual position (GPS position), displaying information about your geographic position, distance to your destination, etc. The GPS position is indicated by a red/blue arrow.

You can also browse the map, view businesses and other Points of Interest (POI, and then choose them for routing and navigating. The map knows two basic states: Tracking and Browsing.

Map Tracking Screen

During navigation, the screen displays your route (in yellow) and your surroundings. A red/blue arrow identifies your current position. The upcoming maneuver is visualized in the upper left corner, along with the distance and approximate time before that turn. When you come up to a turn, you will hear a voice command at the appropriate time.



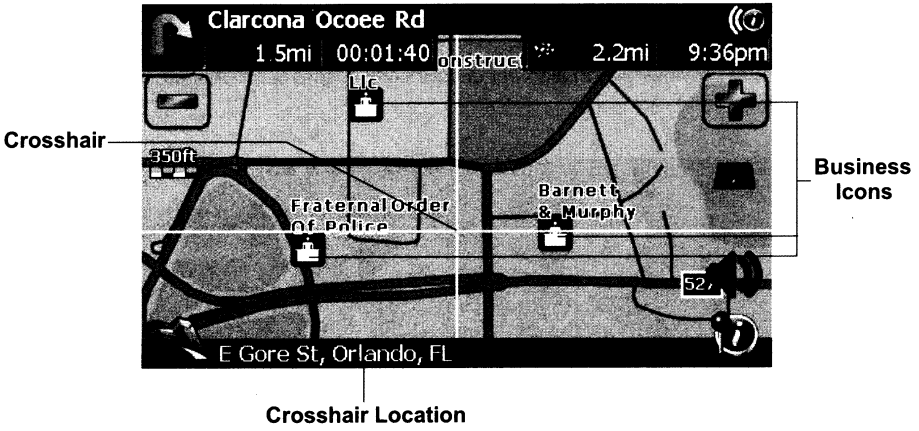


On the left, additional information, including the current time, GPS signal strength and compass orientation (N, S, E, W) is displayed.

- To zoom in or out, press the + or – icons.
- To return to the Main Menu, press the button.
- To add a POI destination to your route, press the button.
- For one-way streets, the transit direction is indicated with a red arrow.
- For more information about navigation, see "Navigating" on page 16.

Map Browsing Screen

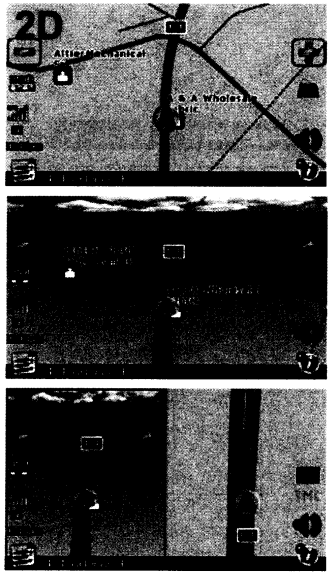
Touch (and hold) the screen to access Map Browsing Mode. Use a stylus or your finger to browse the map. Your position is identified as the center of the crosshair.



- To zoom in or out, press the + or – icons.
- To return to the map tracking mode, press the button.

2D/3D/Split Screen

During navigation or map browsing, you can click the button to switch between 2D (default), 3D and Split Screen map views.

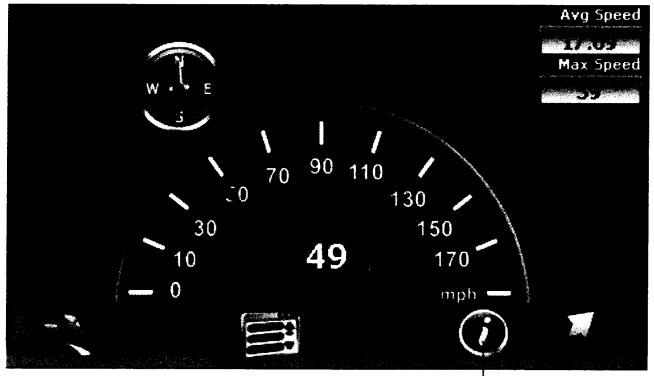


DVD Installation

See separate insert for DVD installation.

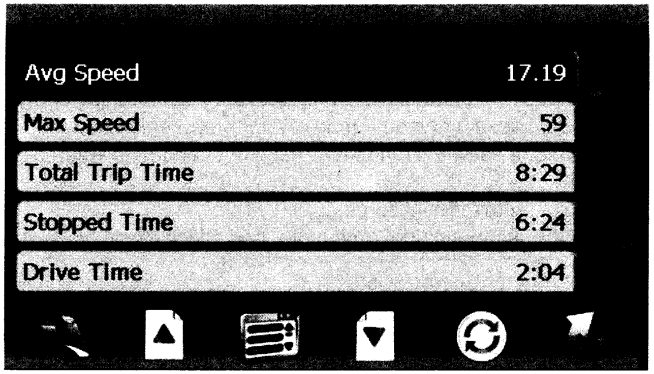
Trip Computer

The Trip Computer provides information about your vehicle speed, trip related timing, elevation, odometer and clock.



Press to View Detailed Readings

- Press the "i" icon to view detailed readings for each field.



- Press the blue Λ / V arrow buttons or use the scroll bar on the right side of the screen to navigate the list.
- Use the / buttons to move through the list page by page.
- Touch the marked item to select it.
- Press the button to reset the current reading.

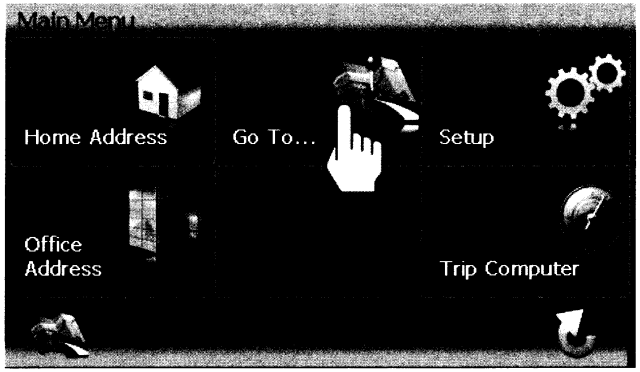
SELECTING A DESTINATION

There are five different ways to find and choose a destination. Some methods allow you to select from a list using the arrow keys, while others allow you to search using an on-screen keyboard.

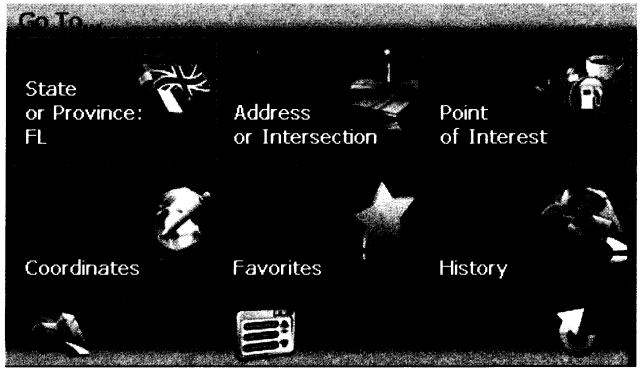
NOTE: If a route is in progress when you exit the NAV102 system, the unit will prompt "Do you want to resume guidance?" when you resume operation. Press the green check mark to resume or the "X" to cancel and go to the "Main Menu."

Finding an Address

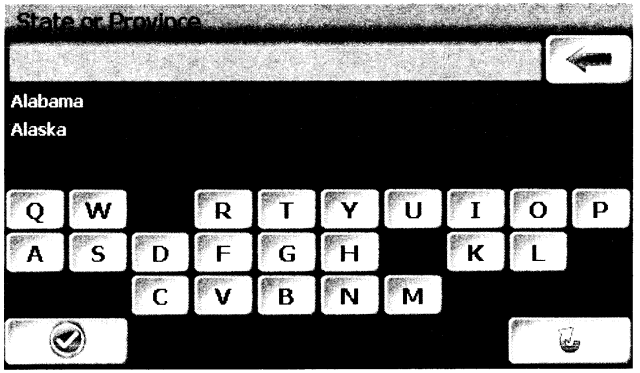
Press the **Go To...** button on the "Main Menu" to begin locating an address. If you cannot see the "Main Menu", press the button.



The "Go To..." menu appears, allowing you to search for an Address or Intersection, select a POI (Point of Interest), enter map Coordinates, or select a favorite or recent destination.

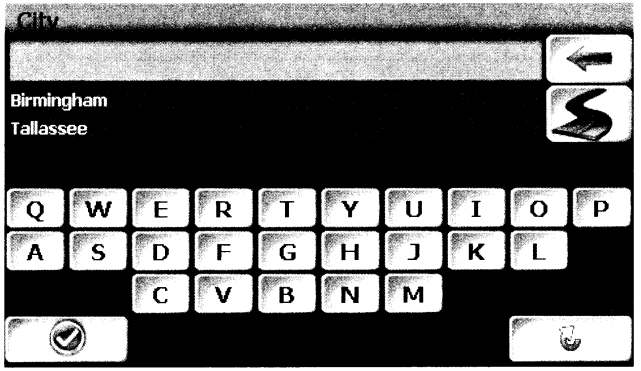


State or Province



Address or Intersection

After choosing the destination State or Province, press the **Address or Intersection** button to view the City/Postal Code screen. You can locate an address or intersection *in the previously selected state* beginning with the City or by entering the Postal Code.



To toggle between City and Postal Code entry, press the / button.

1. Begin entering the city by typing the City name or Postal Code. The navigation software will utilize it's look-ahead feature and only offer characters for existing cities as you type. Once the city is recognized as the only possible option based on the characters you entered, you will automatically be prompted for the street.
2. Enter the Street name using the same method described above. Once the street name is recognized, you will automatically be prompted for the street number.
3. Enter the street number using the same method described above.

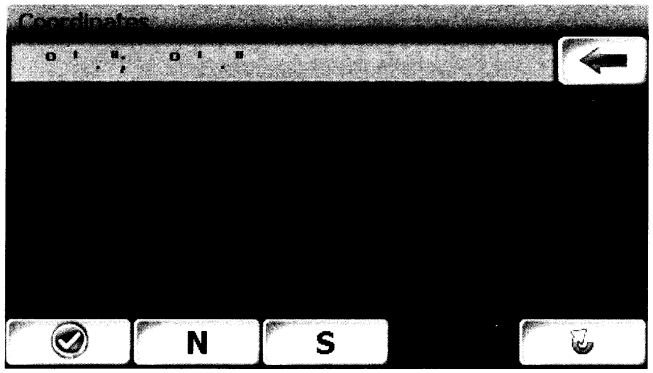
4. Press the button to select the street number and access the "Start Route" screen.

Point of Interest

The POI finder allows you to quickly find points of interest, like gas stations and restaurants, in a database of millions of POI's. These places can be near your current position or near a selected State or Province. See "Selecting a Point Of Interest" on page 12 for information about locating a Point of Interest.

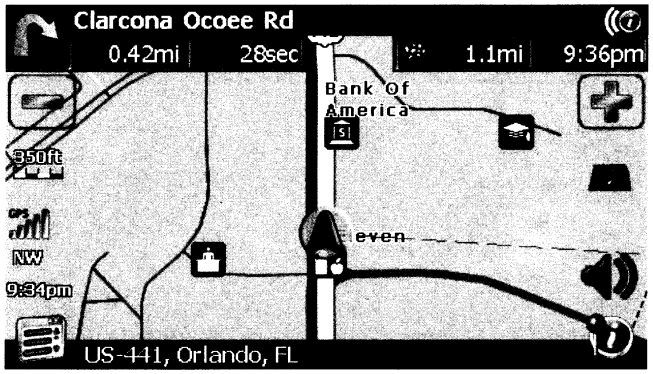
Coordinates

Press the **Coordinates** button to route to a destination by directly entering latitude and longitude values.

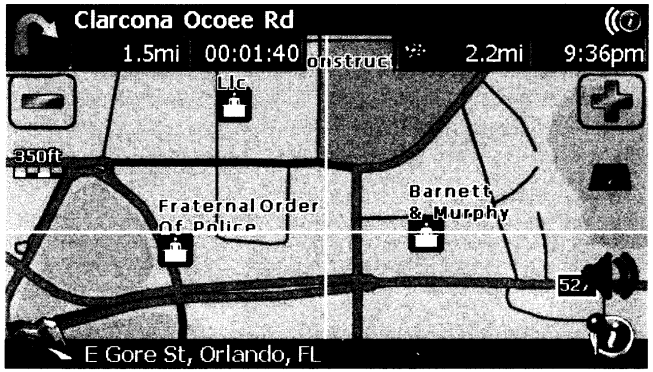


Choosing a Location on the Map

1. From the "Main Menu", press the button. The "Map - Tracking" window will be displayed, indicating your last location:

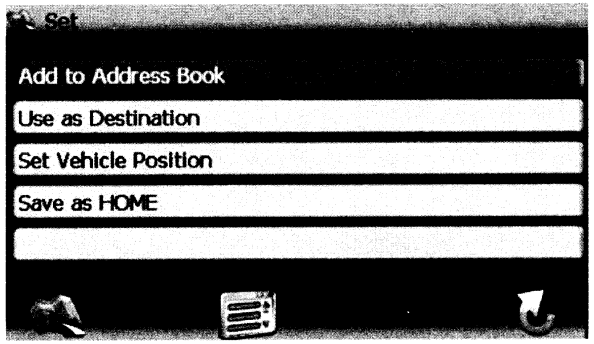


2. Touch any part of the map area to enter browsing (panning) mode and navigate the map. Use the +/– buttons to zoom in/out.



3. Press the button to view and select the address nearest the crosshair, or press **Quick POI** to locate a POI in the visible map area.

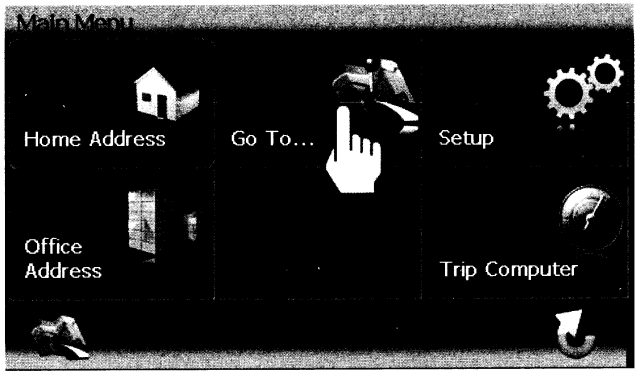
4. Touch the address to view the "Set" screen, where you can choose to set the address as your destination, your home address, or your vehicle position or choose to add this location to your address book.



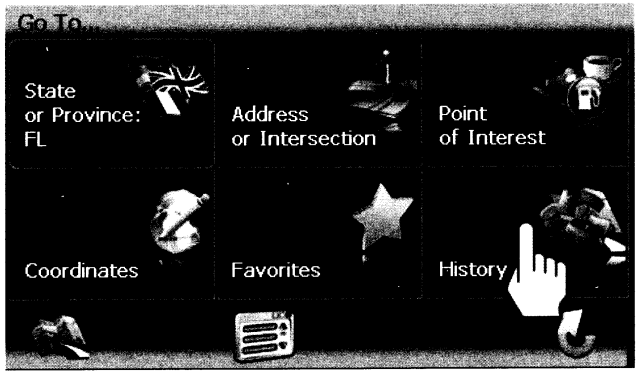
Navigating to a Recent Location

Previous destinations are automatically saved to memory as "History". This feature helps you quickly locate the address of and return to a previous destination. The origin of the last calculated route is also stored for easy return to your starting point.

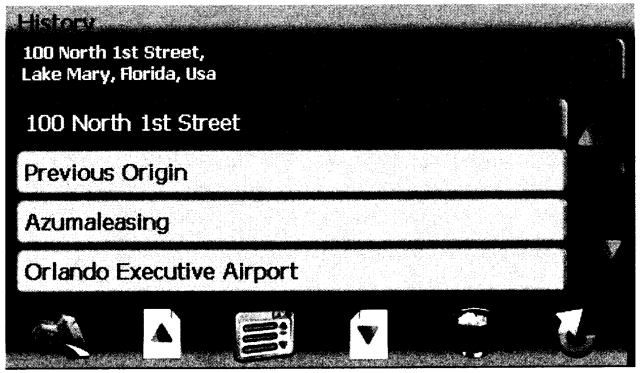
1. From the "Main Menu", select **Go To...**.



2. From the "Go To..." menu, select **History**.



3. A list of recent locations will appear on the screen.

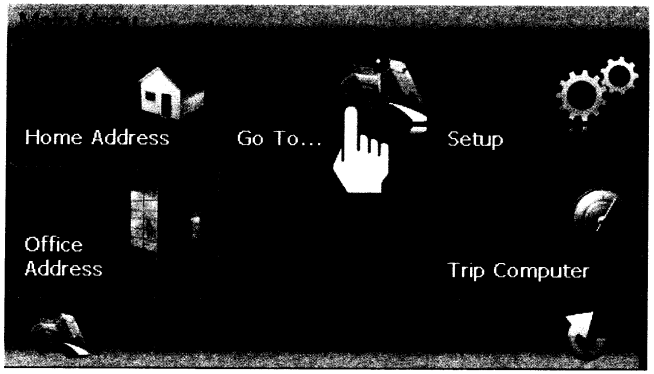


4. Press to select a recent destination from the "History" list and view the "Start Route" screen.
   - Press the blue Λ / V arrow buttons or use the scroll bar on the right side of the screen to navigate the list.
   - Use the buttons to move through the list page by page.
   - Press the Garbage Can icon to delete the highlighted item.
5. Continue navigation as instructed in the previous sections.

NOTE: The "History" list stores the last 15 addresses or destinations. After 15 entries, the oldest destination will be deleted and the newest entry added to the top of the list. Recent addresses cannot be deleted manually.

Navigating to your Home or Office Address

The **Home Address** and **Office Address** buttons allow you to quickly navigate to your home or office address.

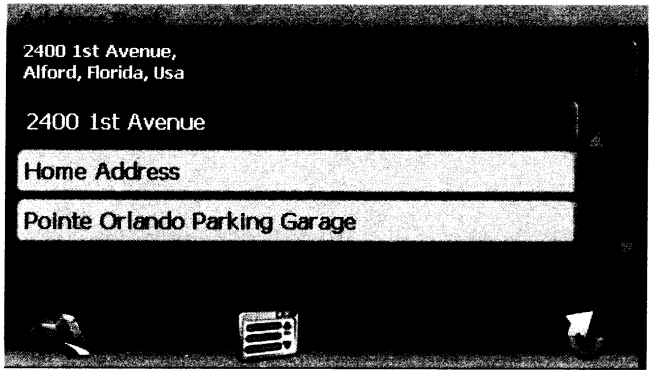


If the home or office address is not already saved, a screen like the following will appear:

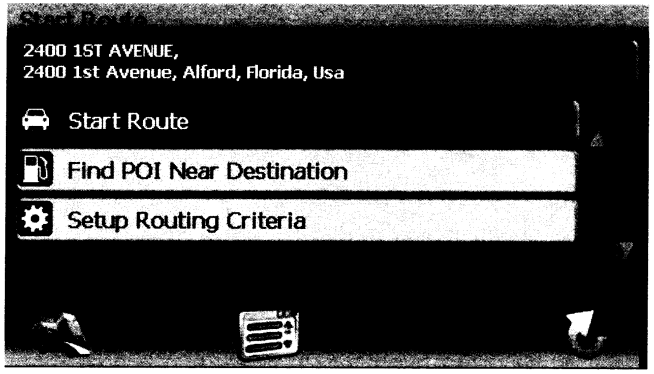
Press the check mark to enter and save your home or office address.

Choosing a Location from your Address Book

1. On the "Main Menu", press **Go To...**.
2. On the "Go To..." menu, press **Favorites**.
3. Press **Address Book** to view a list of Address Book entries.



4. Select an Address Book entry.
   - Press to highlight an Address Book entry.
   - Press the blue Λ / V arrow buttons or use the scroll bar on the right side of the screen to navigate the list.
   - Use the buttons to move through the list page by page.
5. Press **Start Route** to begin navigating to the chosen Address Book destination.

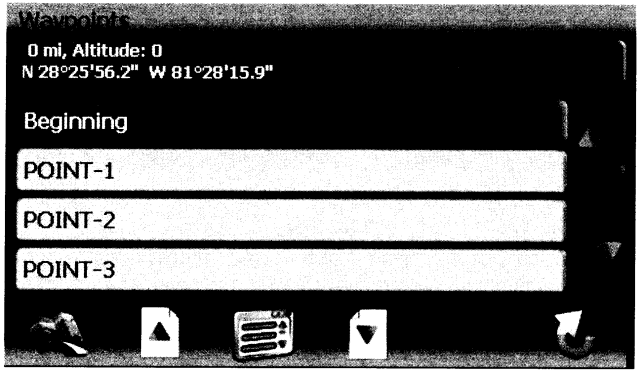


Following a Trail

The Trail Book feature allows you to create a path using map points when navigation data is not available. To navigate to a saved Trail, perform the following steps:

1. Press the button to view the "Main Menu" (if not already doing so).
2. Press **Go To...**
3. Press **Favorites**.
4. Press **Trail Book** to view a list of existing trails.

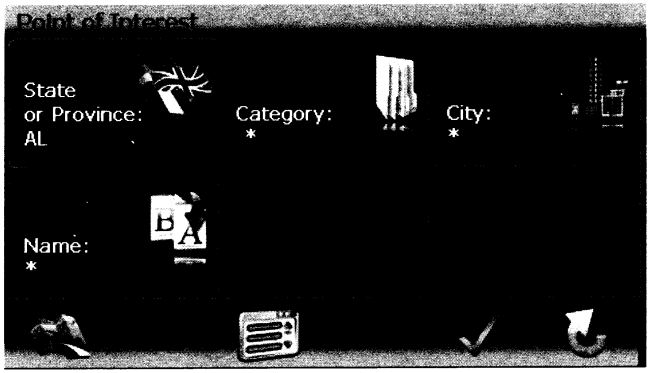
5. Press the Trail you would like to follow and a list of trail points will be displayed.



6. You can press to choose any Trail point as the stating point. Once a point is selected, the system will display a red dotted line from your current location to the starting point.
7. Follow the red line to begin traveling along the trail. You can press the button and then press **Stop Trail** at any time to cancel the route.

SELECTING A POINT OF INTEREST

From the main menu, press the **Go To...** button and then press the **Point of Interest** button. The "Point of Interest" window will be displayed:



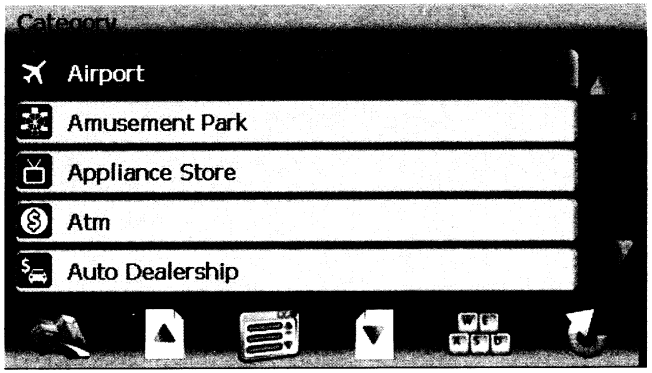
The previously selected State or Province is automatically selected for the POI search. Press the **State or Province** button to select a different State or Province. See "State or Province" on page 7.

Searching for a Specific POI

To narrow your list of POI search results, you can enter a POI Category, City and/or Name. Entering a Category, City, or POI Name is optional.

Category

1. On the "Point of Interest" screen, press the **Category** button to view a list of possible categories.

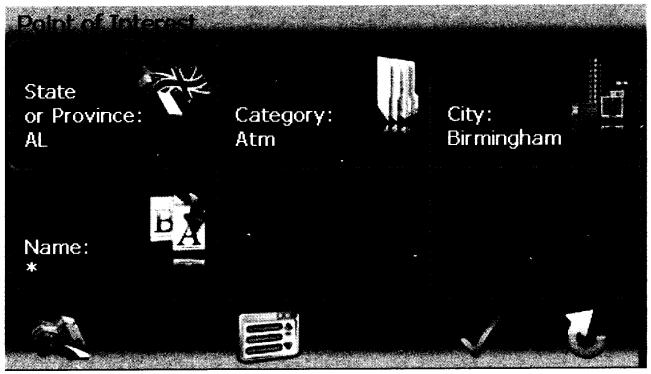


- Press the blue Λ / V arrow buttons or use the scroll bar on the right side of the screen to navigate the list.
- Use the / buttons to move through the list page by page.

2. Click an item on the list to select that category OR press the button to access the keyboard and enter a category directly.

City

1. Press the **City** button to enter the city in which you would like to find a point of interest.
2. Begin typing the City name. The navigation software will utilize it's look-ahead feature and only offer characters for existing cities as you type. Once the city is recognized as the only possible option based on the characters you entered, the city name will appear at the top of the screen.
3. Press the button to select the City and return to the "Point of Interest" menu.



Name

To retrieve a very specific list of POI destinations, you can enter part or all of the POI name directly. Please note that the Name screen will allow you to enter any possible POI, but the system will return the message "No POI Found" if the selected name does not fall within the selected category or city.

NOTE: Since business information changes regularly, not all POI categories are available in all areas and some POI's may not be listed for all categories. In addition, the search radius may be restricted to minimize the search time.

TO BEGIN NAVIGATION:

After entering the desired POI search parameters, perform the following steps to navigate to the chosen POI.

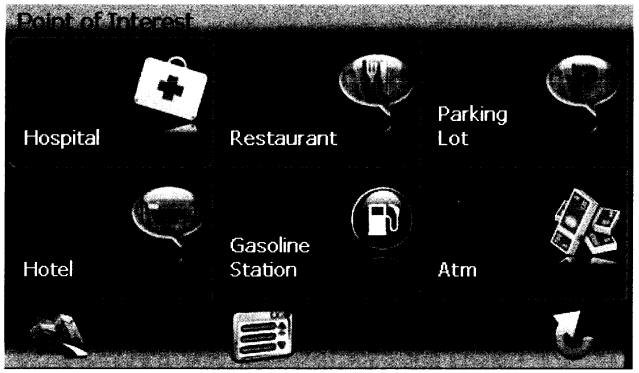
1. Press the button
2. Press **Sort by Distance** or **Sort by Name** to retrieve a list of POI's within the parameters you entered.

- Press the blue Λ / V arrow buttons or use the scroll bar on the right side of the screen to navigate the list.
- Use the / buttons to move through the list page by page.

3. Press to select a POI destination and access the "Start Route" screen.

Browsing POI Destinations

1. Press the button to display a menu of six common POI categories from which you can choose.



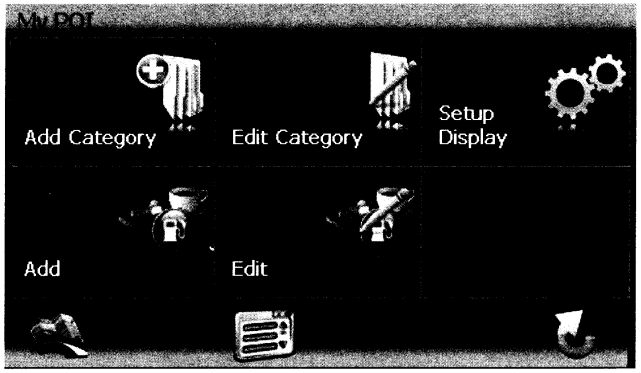
2. Press to select **Hospital**, **Restaurant**, **Parking Lot**, **Hotel**, **Gasoline Station** or **Atm** and display a list of POI's in that category.

- Press the blue Λ / V arrow buttons or use the scroll bar on the right side of the screen to navigate the list.
- Use the / buttons to move through the list page by page.

3. Press to select a POI destination and access the "Start Route" screen.

My POI

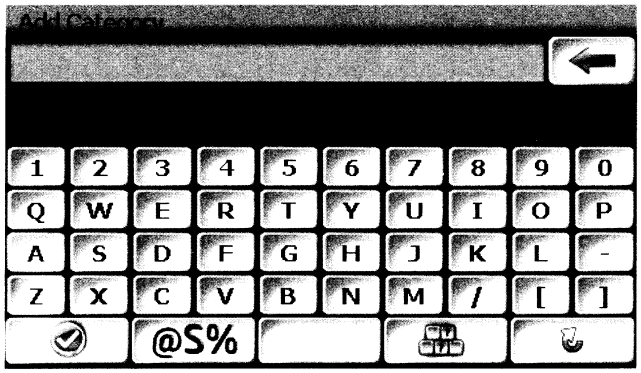
The My POI feature allows you to create personalized categories of Point Of Interest destinations. To access the My POI screen, press the following sequence of buttons, beginning on the "Main Menu": **Go To...** > **Favorites** > **Edit Favorites** > **My POI**.



Add Category

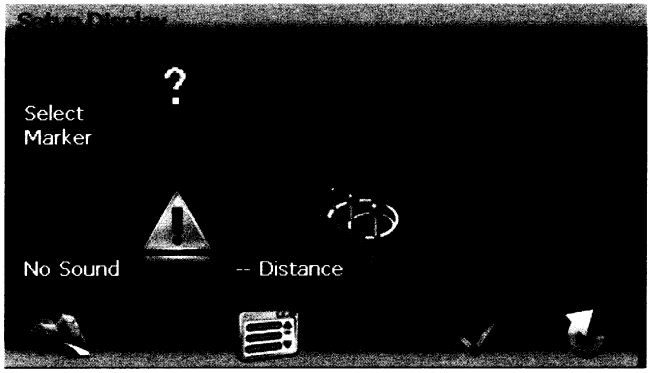
Before My POI can work properly, you must create a category before adding a new POI destination. Use the keyboard to create a new POI category name and set the Icons, Sound and Distance of your choice for the new category.

1. Press **Add Category** to enter a name for the new Category.



- Press the button to clear the default entry, if desired.
- Use the keyboard to enter the name of your new Category. (See "Using the Keyboard" on page 3.)

2. Press the button to save the Category name and go to the "Setup Display" screen.

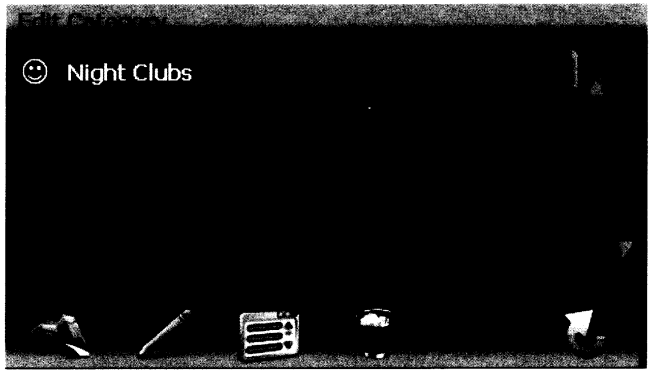


3. Determine map indicators and settings for your new Category.
   - **Set Icons Shown**: Press to select the marker that will represent POI destinations in your new Category.
   - **Sound**: Press to select a sound to be heard when you are nearing the destination (based on Distance).
   - **Distance**: Press to choose the distance from the destination at which you would like the chosen sound to be played.
4. Press the green check mark to complete the Category setup and confirm the Category entry.

5. Press the green check mark to confirm and add your new POI Category to the directory.

Edit Category

1. To edit an existing My POI Category, press the following sequences of menu buttons: **Go To...** > **Favorites** > **Edit Favorites** > **My POI** > **Edit Category** from the "Main Menu".

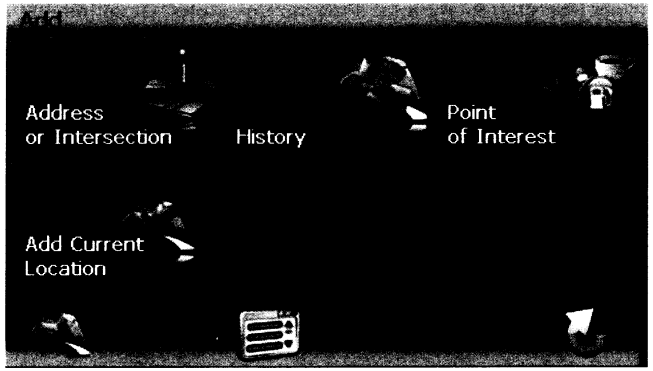


   - Press to highlight a category.
   - Press the pencil icon to rename the highlighted address book entry.
   - Press the trash can icon to delete the highlighted address book entry.

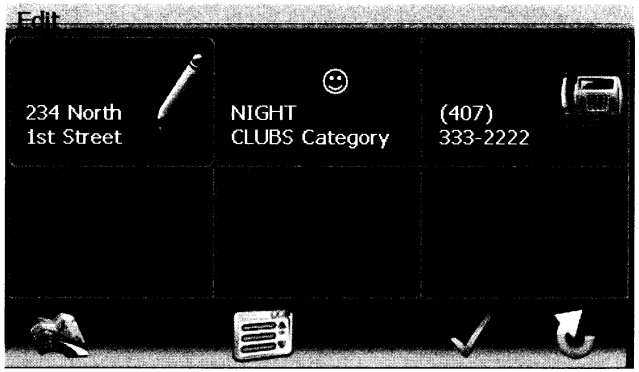
Add destination to My POI

While navigating or browsing the map. you can add destinations as POI's under your newly created Categories.

1. To add a destination to a My POI Category, press the following sequences of menu buttons: **Go To...** > **Favorites** > **Edit Favorites** > **My POI** > **Add** from the "Main Menu".



2. Refer to information in the section titled "Selecting a Destination" on page 7 to locate a destination. After entering a destination address, the "Edit" screen appears.

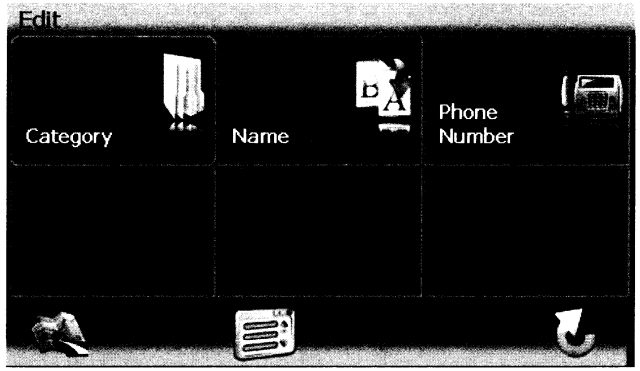


3. Add additional information about your POI:
   - Press the address box to edit name of your POI.
   - Press the Category box to select a category for your new POI.
   - Press the phone box, to use the on-screen keypad to enter the phone number for the new POI.
4. Press the green check mark to save your POI entry. A confirmation screen appears.

5. Press the green check mark to confirm and save the current entry under the selected Category in your My POI list.

Edit My POI List

To edit items on your My POI list, press the following sequences of menu buttons: **Go To...** > **Favorites** > **Edit Favorites** > **My POI** > **Edit** from the "Main Menu".



- **Category**: Press to browse and select a POI to edit by Category.
- **Name**: Press to search for a POI by name, using the on-screen keyboard.
- **Phone Number**: Press to locate a POI by phone number, using the on-screen keypad.

NAVIGATING

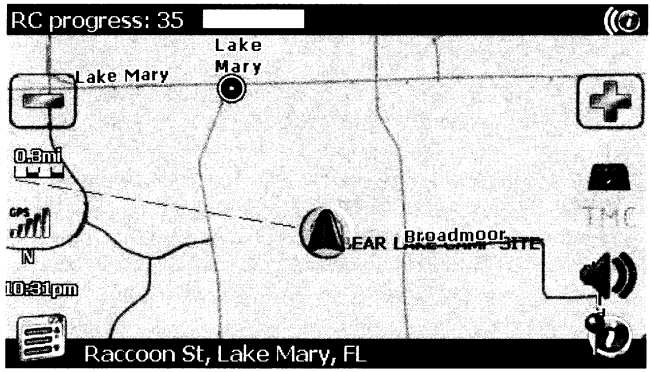
The powerful navigation capabilities of your NAV102 will guide you along the shortest or quickest route from A to B – with voice commands and in 3D (optional).

To begin navigation, select a location using the **Go To...** feature (see "Selecting a Destination" on page 7).

Route Calculation and Guidance

After choosing a destination, the system will determine a route based on your preferences in the "Setup" menu. (See "Setup Menu" on page 24.)

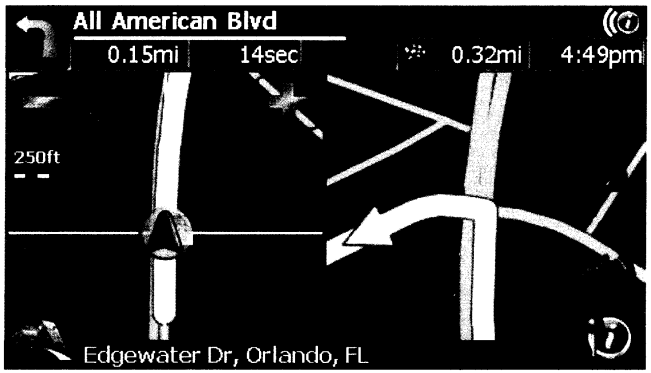
The status bar at the top of the screen indicates the route calculation progress.



Once route calculation is complete, you will be instructed to "Please proceed to the highlighted route" (if you are not already on the route). Once on the highlighted route, guidance information is delivered on-screen and via voice prompts. The guidance information is continuously undated to indicate your progress.

Intersection Zoom

As you approach an intersection, the map will automatically zoom in to show a close-up view of the roads near the intersection point on the right side of the screen.



Route Interruptions

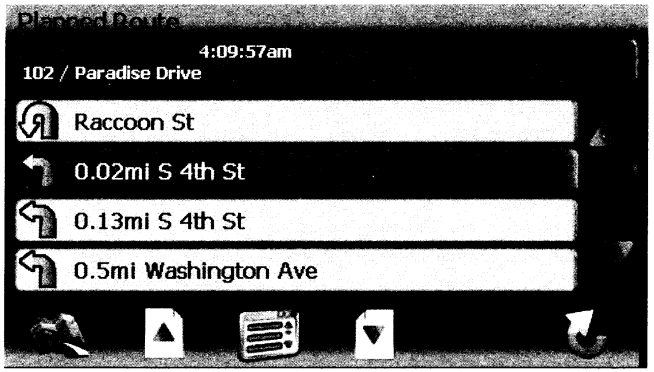
If you intentionally or accidentally leave the current route, the NavMate software will automatically recalculate the route and prompt you to get back on track to your destination.

You can disable this feature by checking the "Auto Recalculation Off" option in the Setup menu, under Setup Routing Criteria.

If you leave the route to make a stop, the NavMate software remembers your destination and asks you if you want to continue your route.

Turn by Turn

While navigating, press the next maneuver arrow on the top left corner of the map screen screen to view a turn-by-turn list of upcoming maneuvers.



Press the button to return to the map screen.

Browsing the Map During Navigation

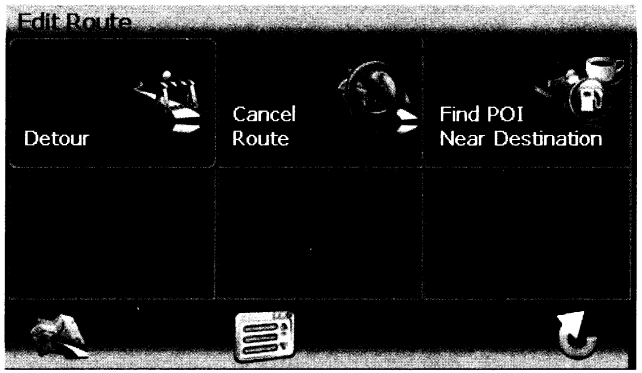
You can browse the map while navigating without interrupting the current route – you will still be guided through voice commands.

- To browse during navigation, touch (and hold) the screen to activate the Map Browsing feature. During browsing, the map screen borders will turn orange until the **Back** button is pressed to return to the guide.
- Press the button to return to on-screen navigation.

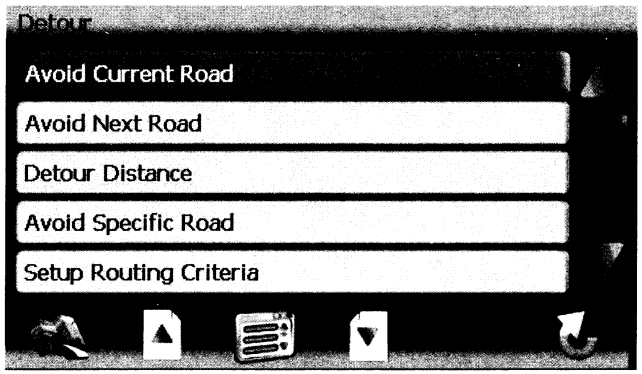
Adding a Detour

If you are unable to complete the route as calculated, you can add a Detour to the route that will allow you to stay on track to your destination.

1. To add a Detour while navigating, press the button to return to the "Main Menu" and then press **Edit Route**.



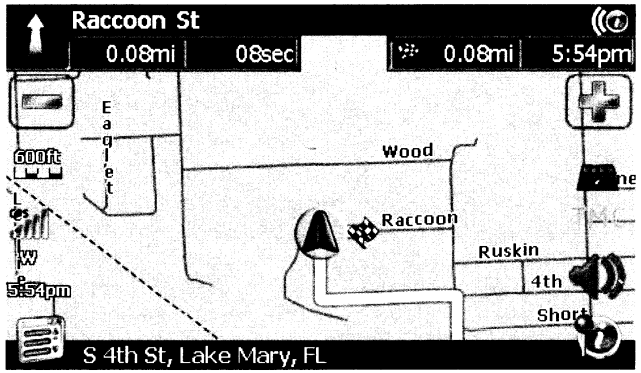
2. Press **Detour** to view the "Detour" screen.



3. Choose a parameter for the Detour from the on-screen list.
   - Press the blue Λ / V arrow buttons or use the scroll bar on the right side of the screen to navigate the list.
   - Use the / buttons to move through the list page by page.
4. The NavMate software will recalculate the route based on your chosen Detour information.

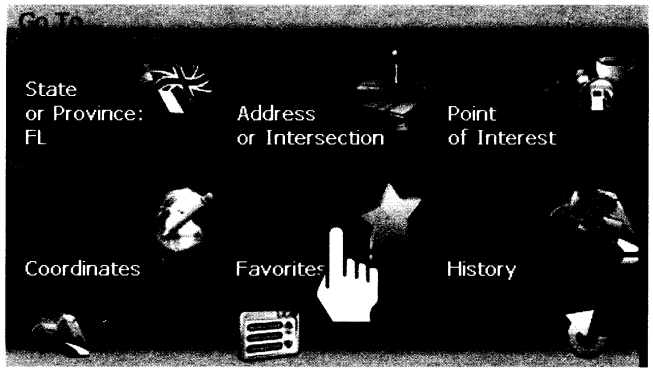
Arriving at your Destination

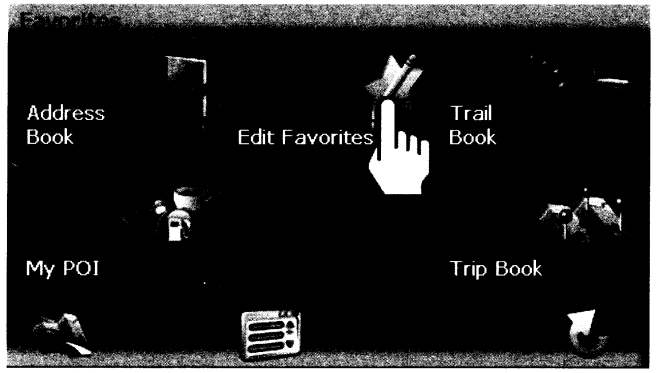
When you are near your destination, the destination is indicated by a checkered flag symbol. A voice prompt will announce that you are approaching your destination.

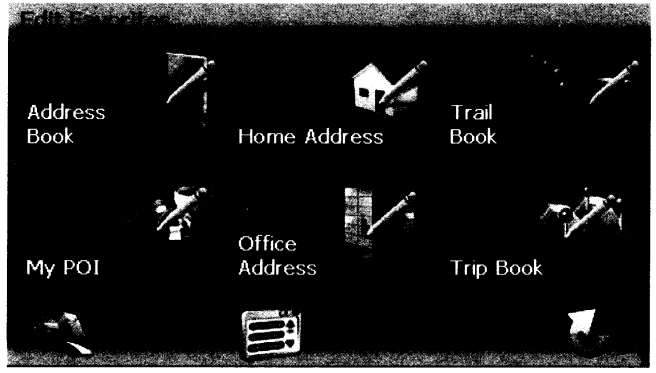


MANAGING FAVORITES

The "Edit Favorites" menu allows you to save your home and work locations, as well as other frequent destinations for easy recall. After entering an address or searching for a POI, you can choose the Save option to bookmark your selection, eliminating the need to perform repeated searches.



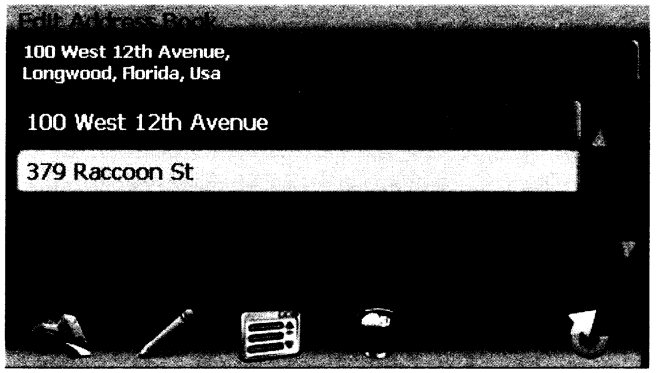




Edit Address Book

The "Address Book" feature allows you to store and edit address book entries. To edit your address book, perform the following steps:

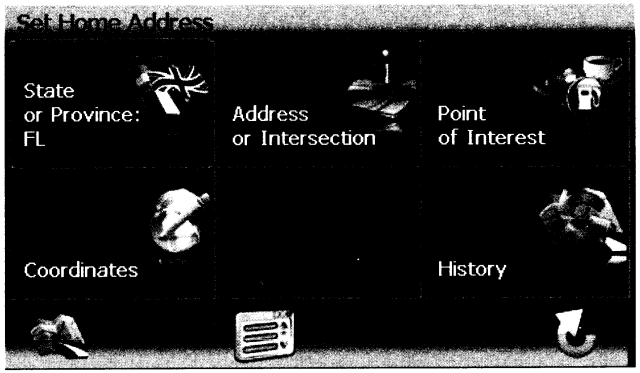
1. Press the button to access the "Main Menu" screen.
2. Press the following on-screen buttons in the order listed:
   a. **Go To...**
   b. **Favorites**
   c. **Edit Favorites**
   d. **Address Book**
   e. **Edit Address Book**
3. The "Edit Address Book" screen appears.



- Press to highlight an Address Book entry.
- Press the pencil icon to rename the highlighted address book entry.
- Press the trash can icon to delete the highlighted address book entry.

Edit Home/Office Address

1. On the "Edit Favorites" menu, press the **Home Address** or **Office Address** icon to add or replace the home or office address. A window like the following will appear:



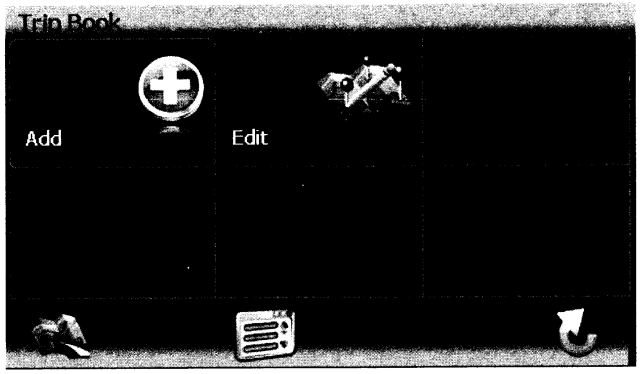
2. Refer to information in the section titled "Selecting a Destination" on page 7 to locate the home or work address.

Edit Trip Book

The "Trip Book" is a collection of trips with each trip representing a set of multiple destinations.

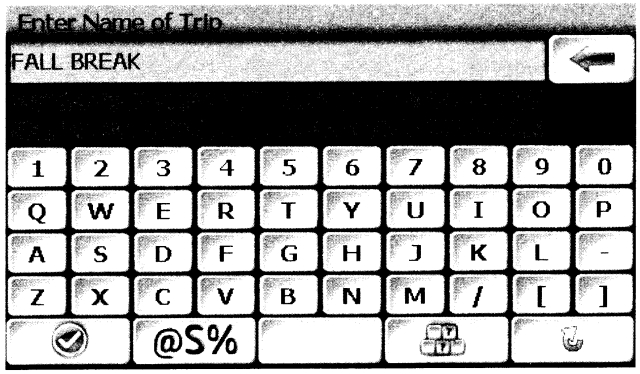
1. To access the Trip Book function, press the **Trip Book** button on the "Edit Favorites" menu.

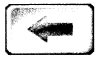
2. Press the **Add** button to create a new Trip or the **Edit** button to edit an existing Trip.



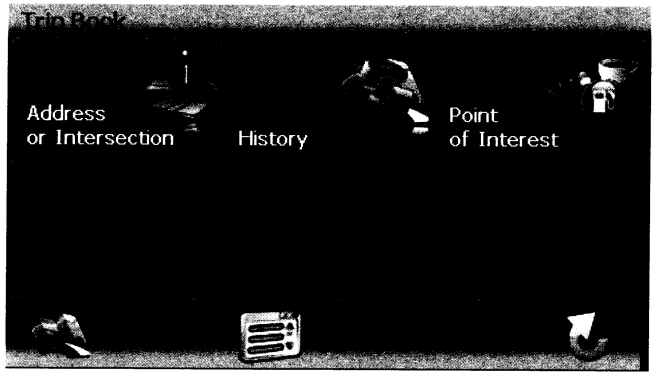
Add New Trip

1. After pressing the Add button, use the on-screen keyboard to enter a name for your trip.



- Press the  button to clear the default entry, if desired.
- Use the keyboard to enter the name for your Trip. (See "Using the Keyboard" on page 3.)

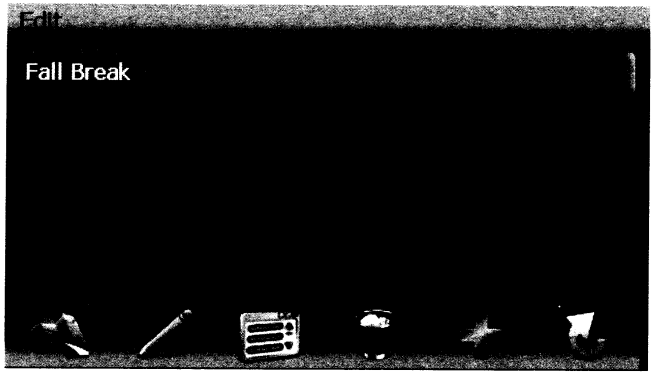
- Press the button to save the Trip name and go to the "Trip Book" screen.



2. Refer to information in the section titled "Selecting a Destination" on page 7 to locate the home or work address.

Edit Trip

1. To edit an existing Trip press the following sequences of menu buttons: **Go To...** > **Favorites** > **Edit Favorites** > **Trip Book** > **Edit** from the "Main Menu".
2. Press to highlight the Trip you want to modify. The "Edit" screen appears.



3. Press to highlighted a Trip and view the destination screen for your trip.

4. Use the buttons at the bottom of the screen to make changes to you trip destinations or to add a new destination.
   - Touch to highlight a destination.
   - Press the pencil icon to rename the highlighted destination.
   - Press the garbage can icon to delete the highlighted destination from your trip.
   - Press the green + icon to add an additional destination to your trip.

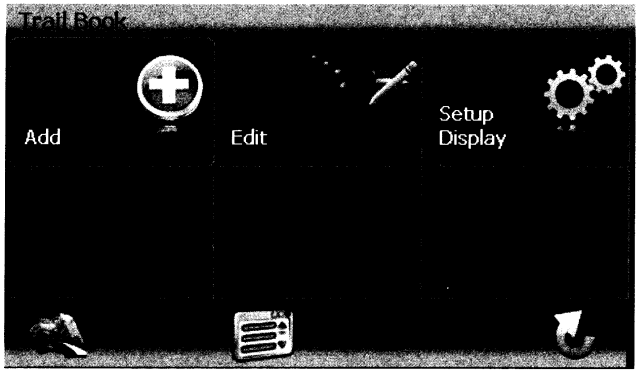
Edit Trail Book

The "Trail Book" option allows adding, editing and Setup display for trail book entries. The "Trail Book" allows you to track off-road navigation in areas where the digital map coverage is not sufficient or missing. A trail represents a path taken by a vehicle while the trail is being recorded. Each trail is shown on the map as a series of dots that can be color-coded for each trail.

You can also assign names, called waypoints, to some of the dots on the trail. These waypoints will be shown on the map. All other dots representing the trail are recorded automatically by the NavMate application. Once the trail is recorded and saved, you can choose the named waypoints as future destinations.

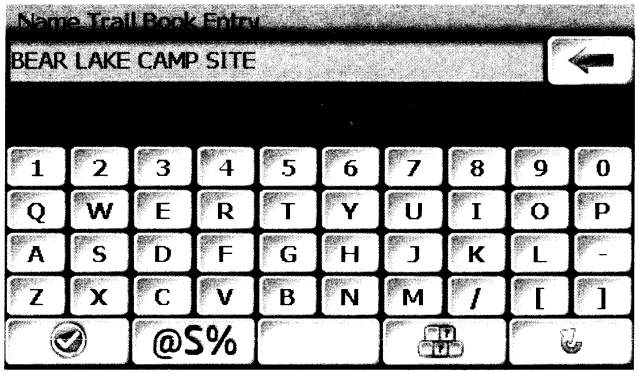
1. To access the Trail Book function, press the **Trail Book** button on the "Edit Favorites" menu.

2. Press the **Add** button to create a new Trail or the **Edit** button to edit an existing Trail.

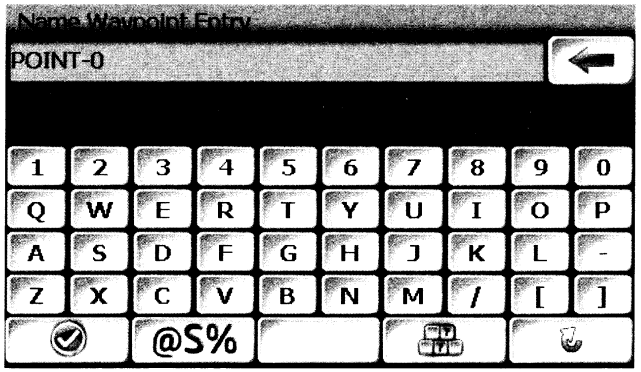


Create a New Trail

After pressing the **Add** button to create a new trail, you will see the "Name Trail Book Entry" screen, shown below:



1. Press the button to clear the default entry, if desired.
2. Use the keyboard to enter the name for your Trail. (See "Using the Keyboard" on page 3.)
3. Press the button to save the Trail name and go to the navigation screen.
4. Press the button to add your current position as a waypoint. The "Name Waypoint Entry" screen appears:

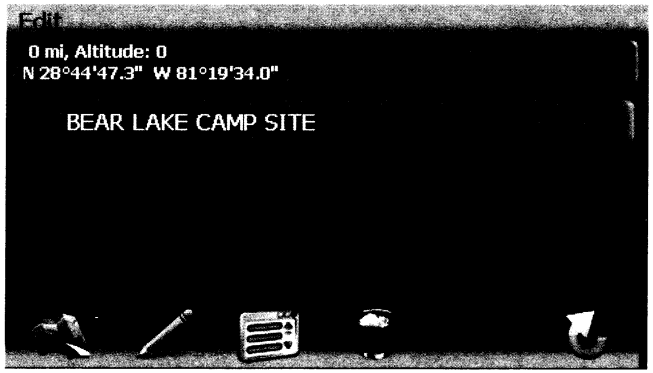


5. Use the keyboard to enter a name for your waypoint and then press to save and return to the navigation map.
6. Continue adding waypoints until your trail is complete.

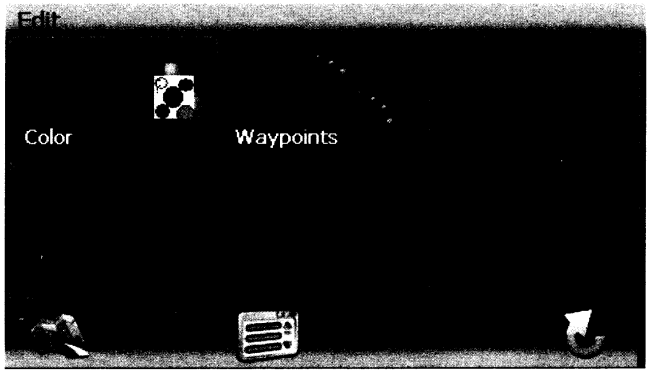
7. When finished, press the button and then choose **Stop Trail**.

Edit Trail

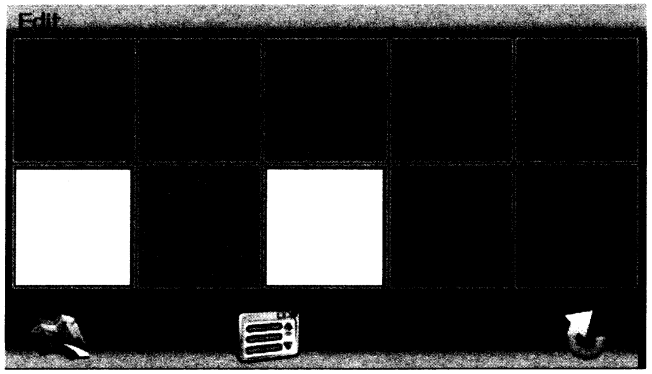
1. To edit an existing Trail press the following sequences of menu buttons: **Go To...** > **Favorites** > **Edit Favorites** > **Trail Book** > **Edit** from the "Main Menu".



2. Press to highlight the Trail you want to modify. The "Edit" screen appears.



3. Press **Color** to choose from ten colors for your dotted line guidance. Press the desired color to apply that color and return to the "Edit" menu.



4. Press **Waypoints** to edit waypoints on your trail.
   - Press to highlight a waypoint.
   - Press the pencil icon to edit the name of the waypoint.
   - Press the trash can icon to delete the waypoint (you will be asked to confirm deletion).
   - Press the blue **Λ** / **V** arrow buttons or use the scroll bar on the right side of the screen to navigate the list.

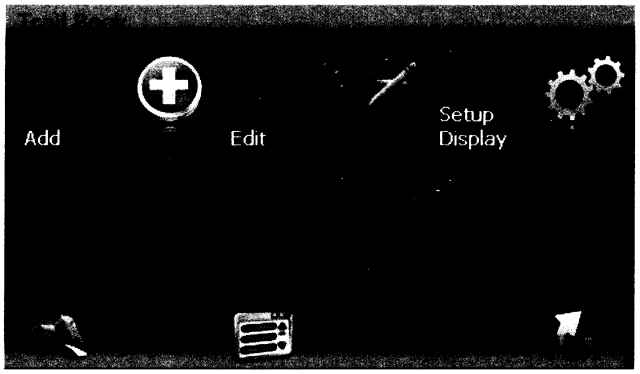
Delete Trail

1. To edit an existing trail press the following sequences of menu buttons: **Go To...** > **Favorites** > **Edit Favorites** > **Trail Book** > **Edit** from the "Main Menu".

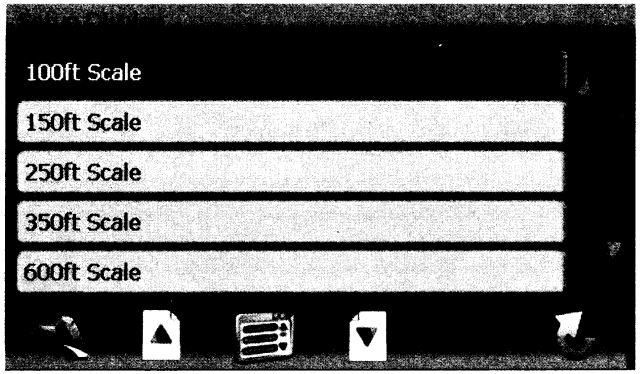
2. Press to highlight the trail you want to delete.
3. Press the garbage can icon to delete the highlighted trail.
4. Press the green check mark to confirm deletion.

Set Up Trail Display

1. To set a map scale display preference for trails, press the **Setup Display** option on the "Trail Book" screen.



2. Press to select the desired map scale.

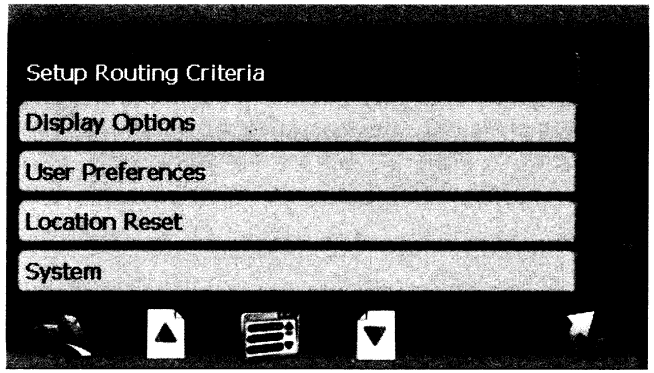


3. Press the green check mark next to each trail to which you would like to apply the map scale setting.

SETUP MENU

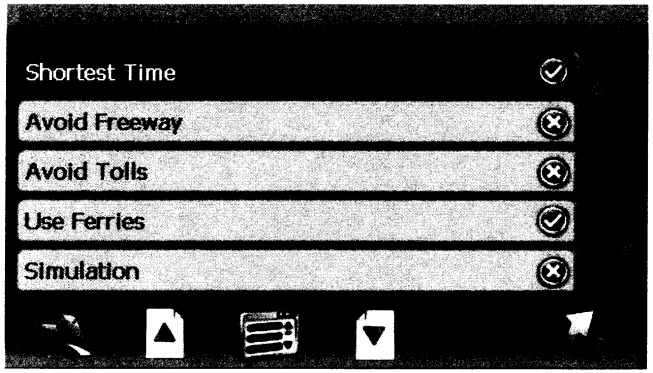
When using the NAV102 for the first time, it is recommended that you customize the system parameter settings. For example, regarding navigation, you can choose to avoid or allow toll roads or ferries or change your map orientation. You can also edit display settings, including the display of on-screen navigation icons.

To get started, press the **Setup** button on the "Main Menu".



You can always press the button to return to the previous screen.

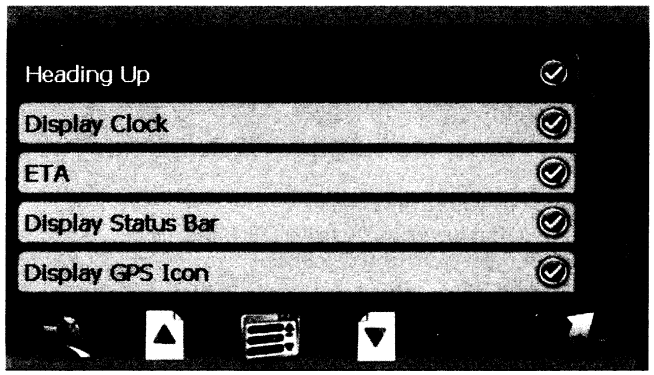
Setup Routing Criteria



- **Shortest Time**: Calculate route based on the fastest time.
- **Avoid Freeway**: Try not to use highways when calculating routes.
- **Avoid Tolls**: Do not use toll roads when calculating routes.
- **Use Ferries**: Use ferry travel when calculating routes.
- **Simulation**: Enable simulation mode (perform simulated navigation when not traveling).
- **Auto Recalculation**: Automatically recalculate the route if a wrong turn is made.
- **Voice Guidance**: When on, the system will give voice prompts.
- **Announcement Tone**: When on, the system will give a double tone to alert you of the next turn.

Display Options

To select which and how many icons are displayed on the map or to change the map orientation, press **Display Options** on the "Setup" menu.



Heading Up/North Up

- **Heading Up**: This mode will display the map with the vehicle direction always pointing up. The map will rotate and move accordingly during navigation while the green arrow representing the vehicle stays up and still.
- **North Up**: This mode will display the map with North always pointing upward. The map will not rotate during navigation. The green arrow representing the vehicle will rotate and move according to the vehicle location on the map.

On-Screen Icons

Press to turn the display for any of the following icons or information on/off:

- **Display Clock**
- **ETA**
- **Display Status Bar**
- **Display GPS Icon**
- **Display Scale Icon**
- **Display Compass Icon**
- **Display Next Maneuver**
- **Enlarged Intersection**

User Preferences

Language Settings

Press to choose from a list of available languages for on-screen text. Once a new language is selected, you will return the initial screen and be required to review safety information in the chosen language.

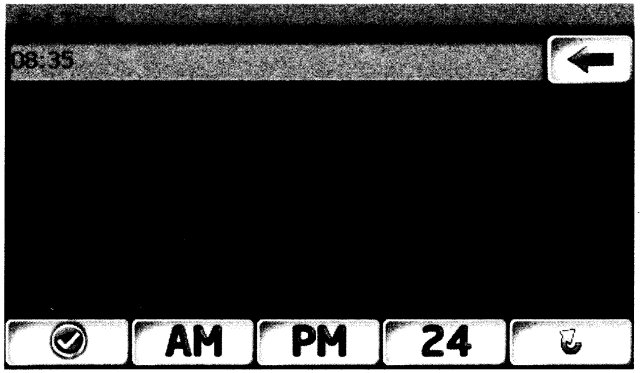
Voice Guidance

Press to choose from the following available languages for voice guidance:

- English USA - Dave
- English USA - Rebecca

Set Time

Your clock time must begin with 1, 2 or 0. For example, enter "0835" for 8:35 and then press



AM or **PM**, or press **24** for 24-hour clock display (military time). If you press **24** after entering "08:35", the time will automatically be set for AM, since "08:35 PM would be "20:35" in 24-hour display mode.

Press the button to save your time setting and return to the "User Preferences" menu.

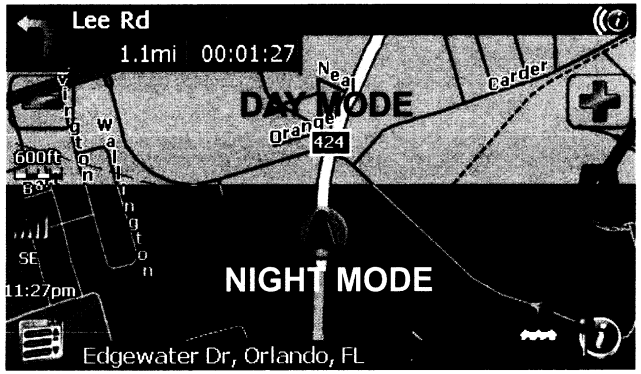
Distance Units Settings

Press to select one of the following units for distance measurements:

- Miles
- Kilometers/Meters
- Miles/Yards

Day/Night Settings

From the Day/Night Settings menu, press to select **Day** or **Night** mode, shown below. Press **Auto.** to allow the mode to be chosen automatically based on the time of day.



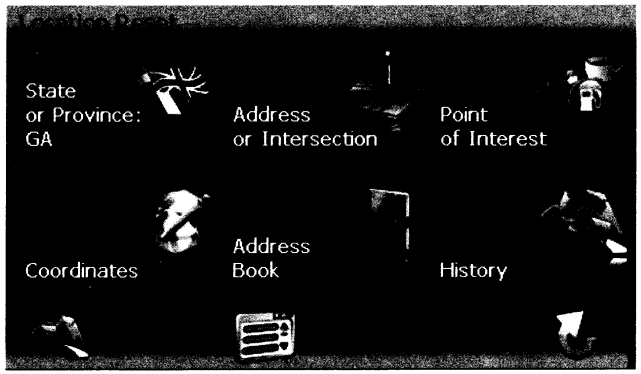
Point of Interest Icon Setup

This option allows you to choose a specific POI icon scale for selected POI categories.

1. Choose from the following options:
   - Select Marker 100ft Scale
   - Select Marker 150ft Scale
   - Select Marker 250ft Scale
   - Select Marker 350ft Scale
   - Select Marker 600ft Scale
2. Press to turn the setting on/off for various categories.

Location Reset

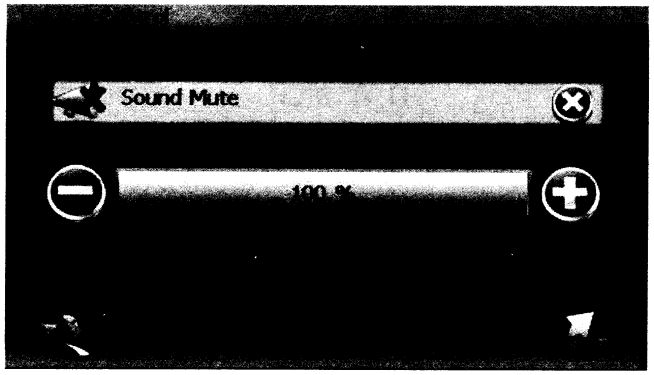
Press to reset the location of your vehicle.



System

Volume

From the "System" menu, select **Volume** to modify the volume of voice commands.



- Press the **+** button to increase the volume.
- Press the **–** button to decrease the volume.
- Press the **SOUND Mute** button to silence or resume the voice command volume.

GPS Diagnostics

View satellite information for diagnostic use, including the number of satellites currently in view and how many are being used. You can also view the GPS time along with the current latitude and longitude.

System Information

View software version, map version and copyright information.

TROUBLESHOOTING

Table 1: Troubleshooting

Problem	Cause	Corrective Action
I can't find an address	Address spelled incorrectly	Please make sure you have correctly spelled your entry. If you do not know how an address is spelled, simply enter the parts of the address about which you are certain - e.g. "Brook" for Brooklyn in New York. Then browse the results list and look for the address. Also make sure that the city in which you are looking for an address is correct. Sometimes the official postal address differs from the address you are looking for. In that case, search for a known address nearby and browse the map.
I cannot get a good signal	Poor antenna placement	If you have problems getting a satellite fix with GPS (you can see how many satellites are being received on the main menu at the bottom left), please make sure you are outside and the GPS antenna has good 'visibility' to the open sky. Some models also support an additional external active antenna. Please consult the hardware manual of your device to get further information on how to obtain a GPS fix.
The NAV102 stops responding	Unknown	Turn the unit off and back on. If this does not help, reset the unit by using a small metal object to press the RESET button located on the side of the NAV102 unit between the ANTENNA connection and the SD card slot.

Limited Warranty

DO NOT RETURN THIS PRODUCT TO THE STORE

Audiovox Electronics Corporation ("the Company") is committed to quality and customer service, and are pleased to offer you this Warranty. Please read it thoroughly and contact the Company at 1-800-323-4815 with any questions.

Who is covered?

The Company extends this warranty to the original retail purchaser of products purchased through an authorized Audiovox retailer in the U.S.A., Puerto Rico or Canada. This warranty is not transferable or assignable. Proof of purchase is required in the form of an original sales receipt.

What is covered?

The Company warrants that should this product or any part thereof, under normal use, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with a new or reconditioned product (at the Company's option) without charge for parts and repair labor.

What is not covered?

This Warranty *does not* cover the following:

- Damage incurred during shipping or transporting the product to the Company or a service center
- Elimination of car static or motor noise
- Defects in cosmetic, decorative or non-operative structural parts
- Correction of antenna problems
- Costs incurred for installation, removal or reinstallation of the product
- Consequential damage to compact discs, USB devices, digital media cards, accessories or vehicle electrical systems
- Damage caused by improper installation, mishandling, misuse, neglect, accident, blown fuse, battery leakage, theft or improper storage
- Products whose factory serial number/bar code label(s) or markings have been removed or defaced
- Damage resulting from moisture, humidity, excessive temperature, extreme environmental conditions or external natural causes

Please review the "Care and Maintenance" section of your Installation and Operation Manual for additional information regarding the proper use of your product.

Limitations

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Obtaining Warranty Service

- To obtain repair or replacement within the terms of this Warranty, call 1-800-323-4815 for the location of a warranty station serving your area.
- You must prepay the initial shipping charges to the Company. The Company will pay the return shipping charges for all warranteed products returned to an address within the U.S.A., Puerto Rico or Canada.
- Please package the product securely to avoid shipping damage. We recommend using a carrier that provides tracking service to prevent lost packages. Lost or damaged packages are not covered by this warranty.
- Provide a detailed description of the problem(s) for which you require service.

Garantía Limitada

NO RETORNE ESTE PRODUCTO A LA TIENDA

Audiovox Electronics Corporation ("la Compañía) es una corporación comprometida con la calidad y el servicio al cliente, y se complace en ofrecerle esta Garantía. Por favor, léala completamente y contacte a la Compañía al 1-800-323-4815 por cualquier duda.

¿Quién está cubierto?
La Compañía extiende esta garantía al comprador minorista original de los productos comprados a un distribuidor Audiovox autorizado en USA, Puerto Rico o Canadá. Esta garantía no es transferible o asignable. Se requiere prueba de compra en forma de recibo de venta original.

¿Qué está cubierto?
La Compañía garantiza que si este producto o cualquier parte del mismo, bajo uso normal, se prueba que tiene defectos en materiales o mano de obra dentro de los 12 meses desde la fecha de compra original, dichos defectos serán reparados o reemplazados con un producto nuevo o reacondicionado (a opción de la Compañía) sin costos por repuestos o por labor de reparación.

¿Qué no está cubierto?
Esta Garantía *no cubre* lo siguiente:

- Daños ocurridos durante el envío o transporte del producto a la Compañía o al centro de servicio
- Eliminación de estática o ruido de motor
- Defectos en cosmética, partes estructurales decorativas o no operativas
- Corrección de problemas de antena
- Costos incurridos por instalación, retiro o reinstalación del producto
- Daños consecuentes a discos compactos, dispositivos USB, tarjetas multimedia digitales, accesorios o sistemas eléctricos del vehículo
- Daños causados por instalación inadecuada, mal manejo o uso, negligencia, accidentes, fusibles quemados, goteras en la batería, robo o almacenamiento inadecuado.
- Productos cuyo número de serie o código de barra de fábrica o sus marcas hayan sido quitados o borrados
- Daños resultantes de la humedad, temperatura excesiva, condiciones medioambientales extremas o causas naturales externas

Por favor, revea la sección "Cuidados y Mantenimiento" de su Manual de Instalación y Operación para obtener información adicional relacionada al uso adecuado de su producto.

Limitaciones
LA EXTENSIÓN DE LA RESPONSABILIDAD DE LA COMPAÑÍA BAJO ESTA GARANTÍA SE LIMITA A LA REPARACIÓN O REEMPLAZO PROVISTO ARRIBA Y, EN NINGÚN CASO, EXCEDERÁ LA RESPONSABILIDAD DE LA COMPAÑÍA EL PRECIO DE COMPRA PAGADO POR EL COMPRADOR DEL PRODUCTO.

Esta Garantía está en lugar de todas las otras garantías o responsabilidades. CUALQUIER GARANTÍAS IMPLICADAS, INCLUYENDO CUALQUIER GARANTÍA IMPLICADA DE MERCANTIBILIDAD, SERÁ LIMITADA A LA DURACIÓN DE ESTA GARANTÍA ESCRITA. CUALQUIER ACCIÓN POR INCLUMPLIMIENTO DE CUALQUIER GARANTÍA AQUÍ ESPECIFICADA INCLUIDA CUALQUIER GARANTÍA IMPLÍCITA DE MERCANTIBILIDAD DEBE SER LLEVADA A CABO DENTRO DE UN PERIDO DE 24 MESES DESDE LA FECHA DE COMPRA ORIGINAL. IN NINGÚN CASO LA COMPAÑÍA SERÁ RESPONSABLE POR NINGÚN DAÑO CONSECUENTE O INCIDENTAL POR INCLUMPLIMIENTO DE ESTA O CUALQUIER OTRA GARANTÍA, EXPRESA O IMPLICADA, DE NINGUNA FORMA. No se autoriza a ninguna persona o representante a asumir por parte de la Compañía ninguna responsabilidad diferente a la aquí expresada en conexión con la venta de este producto.

Algunos estados no permiten limitaciones sobre el tiempo de duración de una garantía implicada o de la exclusión o limitación de daños incidentales o consecuentes, entonces las limitaciones y exclusiones antes mencionadas pueden no aplicarle a usted. Esta Garantía le da derechos legales específicos y usted también puede tener otros derechos que pueden variar de estado en estado.

Obteniendo el Servicio de Garantía

- Para obtener reparación o reemplazo dentro de los términos de esta Garantía, llame al 1-800-323-4815 por la ubicación de un servicio de garantía en su área.
- Usted debe pagar previamente los costos de envío inicial a la Compañía. La Compañía pagará los costos de envío de retorno de todos los productos en garantía enviados a direcciones dentro de USA, Puerto Rico o Canadá.
- Por favor empaquete el producto de forma segura para evitar daños en el transporte. Recomendamos usar una empresa de transporte que provea servicio de rastreo para prevenir la pérdida de paquetes. Paquetes perdidos o dañados no están cubiertos por esta garantía.
- Provea una descripción detallada del problema o problemas por los cuales usted requiere servicio.

Garantie Limitée

NE RENVOYEZ PAS CE PRODUIT AU MAGASIN

Audiovox Electronics Corporation (la Société) s'engage à la qualité et au service des clients, et est content de vous offrir cette garantie. Nous vous prions de le lire attentivement et prendre contact avec la Société au 1-800-323-4815 avec des questions.

Qui est couvert ?
La Société étend cette garantie à l'acheteur d'origine en détail des produits achetés à un détaillant autorisé d'Audiovox aux Etats-Unis, Puerto Rico ou Canada. Cette garantie ne peut pas être transférée ni aliénée. Preuve d'achat est exigé sous forme du récépissé de vente d'origine.

Ce qui est couvert ?
La Société garantit que si ce produit ou une partie de ce produit, sous l'utilisation normale par l'acheteur d'origine, dans des conditions normales, s'avère défectueux en matériel ou en artisanat, dans 12 mois depuis la date d'achat d'origine, de tels défauts seront réparés ou remplacés avec un nouveau produit ou un produit reconditionné (à la seule discrétion de la société) sans frais pour les pièces de rechange ou le travail réparateur.

Ce qui n'est pas couvert ?
Cette garantie *ne* couvre pas le suivant :

- Des dommages survenus lors de la transportation de ce produit à la Société ou à un centre d'entretien.
- Elimination des parasites de voiture ou le bruit du moteur
- Des défauts dans des parties cosmétiques, décoratives ou structurelles non-opératives
- Rectification des problèmes d'antenne
- Le coût de l'installation, de l'enlèvement ou de la réinstallation du produit
- Dommages indirects aux disques compacts, des engins USB, des cartes de média digitales, des accessoires ou le système électrique du véhicule
- Des dégâts survenus à cause de la manipulation mauvaise, l'installation incorrecte, mauvaise utilisation, négligence, des accidents, des fusibles sautés, fuite de la pile, du vol et du stockage incorrect
- Produits soumis à l'enlèvement ou la dégradation du numéro de série d'usine/étiquettes de code à barres ou des marquages.
- Des dégâts survenus à cause de la moisissure, l'humidité, des températures excessives, des conditions environnementales extrêmes ou des causes naturelles externes

Veuillez revoir la section Soin et Entretien de votre Guide d'Opération, pour avoir des informations supplémentaires quant à la bonne utilisation de votre produit.

Limitations
LA MESURE DE LA RESPONSABILITE DE LA SOCIETE SOUS CETTE GARANTIE EST LIMITEE A LA REPARATION OU REMPLACEMENT MENTIONNES CI-DESSUS ET DANS AUCUN CAS LA RESPONSABILITE DE LA SOCIETE N'EXCEDERA LE PRIX D'ACHAT PAYE PAR L'ACHETEUR POUR CE PRODUIT.

Cette garantie tient lieu de toute autre garantie ou responsabilité expresses. TOUTE GARANTIE IMPLIQUEE, Y COMPRISE UNE GARANTIE IMPLIQUEE DE MARCHANDABILITE , SERA LIMITEE A LA DUREE DE CETTE GARANTIE ECRITE. TOUTE ACTION POUR RUPTURE D'UNE GARANTIE QUELCONQUE SOUS LA PRESENTE, Y COMPRIS TOUTE GARANTIE IMPLIQUEE DE MARCHANDABILITE DOIT ËTRE PORTEE DANS UNE PERIODE DE 24 MOIS DEPUIS LA DATE D'ACHAT D'ORIGINE. EN AUCUN CAS LA SOCIETE NE SERA RESPONSABLE POUR TOUT DOMMAGE INDIRECT OU ACCESSOIRE POUR RUPTURE DE CETTE GARANTIE OU TOUTE AUTRE GARANTIE, EXPRESSE OU IMPLIQUEE. Aucune personne ni un représentant n'est autorisée d'assumer de la part de la société une responsabilité autre que celle exprimée ici relatif à la vente de ce produit.

Certains états ne permettent pas de limitations sur la durée d'une garantie impliquée ou sur l'exclusion ou la limitation des dommages indirects et accessoires, tels que les informations ci-dessus ne s'appliquent pas à vous. Cette garantie vous donne des droits légaux spécifiques et vous pouvez aussi jouir d'autres droits qui varient d'état à l'état.

Obtenir le service de garantie

- Pour obtenir la réparation ou le remplacement dans les termes de cette garantie, appelez 1-800-323-4815 pour avoir l'emplacement d'une station de garantie qui dessert votre région.
- Si le produit est envoyé pour un service de garantie vous devez payer les frais de transportation de départ. La Société payera la transportation de retour pour tout produit sous garantie si le produit est retourné à une adresse située aux Etats-Unis, Puerto Rico ou Canada.
- Assurez-vous que le produit soit bien emballé pour éviter des accidents pendant la transportation. Nous recommandons un transporteur qui fourni un service de dépistage pour éviter la perte des paquets. Des paquets perdus ou endommagés ne sont pas couverts par cette garantie.
- Fournissez une description détaillée des problèmes que vous voulez faire résoudre par le service de garantie.

Audiovox Electronics Corporation
Hauppauge, NY 11788
Technical Assistance: 1-800-323-4815
www.jensen.com

© 2009 Audiovox
Ver. 011909
Printed in China

P/N: 127075011739

NAV102 Installation Guide

Parts List

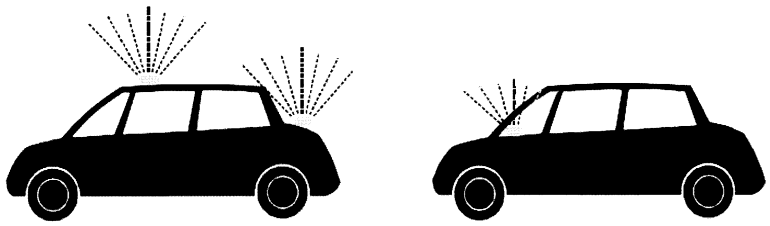
- ✓ NAV102 navigation module
- ✓ Antenna with magnetic mount
- ✓ Four rubber feet (to affix to the bottom of the NAV102 in the recessed area near each corner)
- ✓ SmartBus cable (used to connect the NAV102 to the Jensen navigation-ready radio)
- ✓ One 2 Gigabyte SD Card pre loaded with map/navigation software
- ✓ Two 11mm (.4in) screws (for fastening the SmartBus cable to the radio and NAV102)
- ✓ DVD with backup software for map data and navigation

Warnings

- Do not install components in areas which are susceptible to rain, moisture, direct sunlight, extreme heat or cold, excessive dust, dirt or humidity.
- Do not install the NAV102 where it will obstruct the driver's view or interfere with the vehicle's operating system or safety features (air bags, hazard light buttons, etc.).
- Use only installation parts and hardware provided with the unit. Use of other parts can cause malfunction and possible damage to your navigation system.
- This product should only be installed in vehicles with a 12-volt battery with negative grounding. Check the battery voltage of your vehicle before installation.
- Be sure to secure all wires/cables safely away from the steering wheel, shift lever, and gas or brake pedal.
- Do not cut the GPS antenna cable to shorten or lengthen it.

NAV102 Placement

The NAV102 should be installed under the back or front seat. It can also be installed in the trunk, if necessary. Do not install the NAV102 where it will come in contact with water or direct sunlight.



To avoid shorts in the electrical system, be sure to disconnect the negative (–) battery cable before beginning installation.

NOTE:
Be sure to install the NAV102 in such a way that the SD card slot is accessible after install, allowing for the removal and insertion of the SD card for future changes to map data or upgrades.

Compatible Head Units

JENSEN

VM9212N
VM9213
VM9223
VM9312HD
VM9313
VM9412
VM9413
VM9423
VM9512
VM9512HD
VM9022
VM9022HD

ADVENT

AMM10N
AMM12N

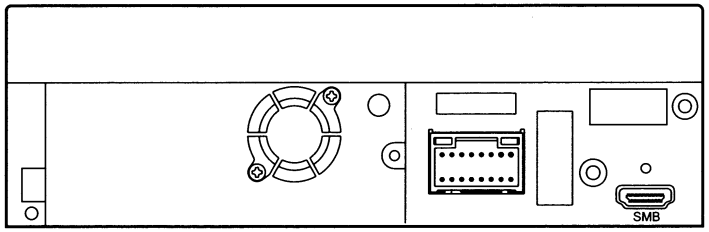
PHASE LINEAR SERIES

UV9

P/N: 127070005188

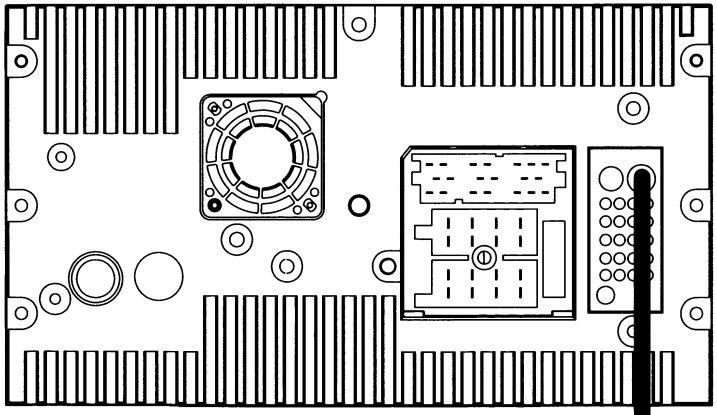
NAV102 Wiring Diagram

Insert one end of the Smartbus cable into the “DATA BUS” slot on the side of the NAV102 and secure it with a 11mm (.4in) screw (provided). Connect the other end of the cable to the NAV102 input on the back of your Jensen navigation-ready head unit.



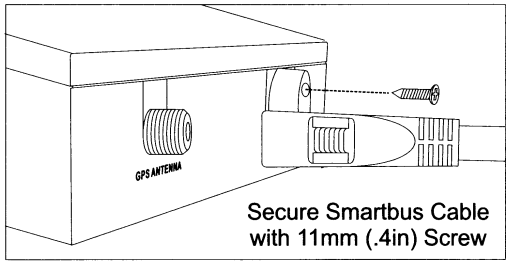
1.0 DIN Head Unit

Some compatible head units have a cable to cable connection and do not require an anchor screw.



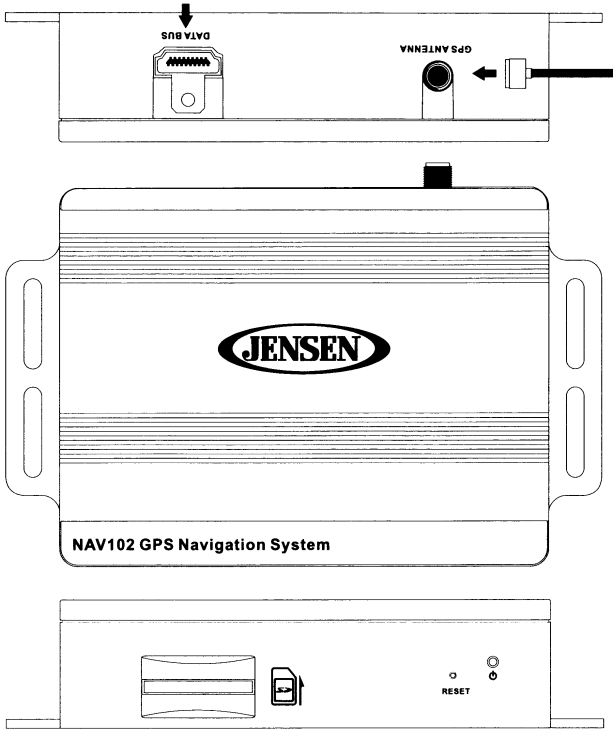
2.0 DIN Head Unit

NAV Bus



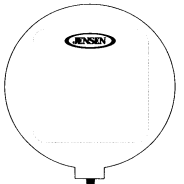
Secure Smartbus Cable with 11mm (.4in) Screw

Where applicable, secure the cable to the radio using a 11mm (.4in) screw.



Attach the GPS Antenna to the “ANTENNA” jack on the side of the NAV102.

GPS Antenna



SD CARD

Insert SD card into the SD card slot and gently press the card in against the spring latch until it stops, then release. The card will "lock" firmly into place inside the SD card slot.

JENSEN®

NAV102 Quick Reference Guide

Featuring:

Horizon NavMate GPS Software
Tele Atlas Map Data
11 million POI (Point Of Interest)
Speed Sensitive Zoom
Female/Male TTS Voice Guidance
Female/Male Recorded Voice Guidance
Turn by Turn Voice Guidance
Samsung S3C2440 (ARM9) 400MHz Processor

IMPORTANT! Before you begin, you must set the system time and default location to ensure accurate navigation results.

SET TIME

Use the following sequence of commands to set the time: *Main Menu* > *Setup* > *User Preferences* > *Set Time* > *(use keypad to enter time)* > ✓.

SET HOME (DEFAULT LOCATION)

By default, the system location is Alabama. Use the following sequence of commands to change the default location: *Main Menu* > *Setup* > *Location Reset.*

Introduction to GPS Navigation

The NAV102 is a vehicle GPS (Global Positioning System)-based navigation device which utilizes digital map data to guide you from your selected location A to location B, using location information obtained from a Global Navigation Satellite System (GNSS).

A GNSS consists of a set of satellites that transmit high-frequency radio signals containing time, direction, and distance data that can be picked up by a receiver, allowing users to pinpoint their precise locations anywhere around the globe. Navigation Satellite Receivers (GPS devices) use this transmitted information to calculate an exact location on the earth.

Every point on Earth can be identified by latitude and longitude. The receiver uses the information sent by at least three satellites and determines the coordinates of the receiving device.

By comparing the time the signals were transmitted from the satellites and the time they were recorded, the receiver calculates how far away each satellite is. The distance of the receiver from three or more satellites reflects its position on the surface of the planet. Using these distance measurements, the receiver might also be able to calculate speed, bearing, trip time, distance to destination, altitude, etc. The GPS position may be displayed as a point on a digital map (at least three satellites' signals must be received) and as the GPS device moves, the corresponding trace is also displayed.

Please keep in mind that although the radio signals of navigation satellites will pass through clouds, glass, plastic, and other lightweight materials, satellite-navigation receivers will not work underground or in some enclosed spaces.

Key Features

Automatic Re-routing
Your NAV102 will automatically recalculate and indicate how to continue to your destination if you miss a turn or depart from the original guided route.

Turn by Turn Mode
When selected, the navigation system displays turn-by-turn information on the screen instead of the map. To view turn-by-turn information while navigating, press the "next maneuver arrow" on the top left corner of the map screen to view a turn-by-turn list of upcoming maneuvers. Press the Map icon to return to the navigation map.

Zoom
Choose from 21 scales/levels of magnification. The Zoom IN and OUT soft keys are indicated by a (+) and (-) symbol on the map screen. A zoom magnification level of less than one mile is required to view icons on the map.

Day/Night/Automatic Screen Display Mode
To modify the Day/Night settings preference, select *Settings* > *User Preferences* > *Day/Night Settings* from the "Main Menu". Press to select Day, Night or Auto mode. If you select Auto, the display changes to Night mode at 7PM and back to Day mode at 7AM.

Voice Guidance
Audible voice commands are played through the stereo speakers to alert you of the next maneuver.

Touch Screen Control
Most functions of your navigation system can be controlled via the high resolution touch screen LCD display on your head unit.

Safety Information

Follow these rules to prevent accidents that can result in injury or death:

- The driver should operate the device only when the vehicle is stopped. Only a vehicle passenger should operate the device while the vehicle is moving. When driving, the need to view the display is minimal. Voice prompts will guide you to your destinations.
- It is your responsibility to comply with all traffic laws.
- The NAV102 is designed to assist you in the process of reaching your destination. It is not a substitute for attentiveness and good judgement. It is your responsibility to disregard any unsafe, hazardous, or illegal route suggestions.
- The device does not include, analyze, process, consider, or reflect any of the following:
  a. Legal restrictions (such as vehicular type, weight, height, width, load and speed restrictions);
  b. Road slope or grade, bridge height, width, weight, or other limits;
  c. Population density;
  d. Neighborhood quality or safety;
  e. Availability or proximity of law enforcement, emergency rescue, medical, or other assistance;
  f. Construction work zones or hazards;
  g. Road or lane closures;
  h. Road, traffic, or traffic facilities' safety or condition;
  i. Weather conditions;
  j. Pavement characteristics or conditions;
  k. Special events;
  l. Traffic congestion.
- While every attempt is made to ensure that the database is accurate, roadways, points of interest, and business and service locations may change over time.
- Do not use the NAV102 to navigate to a police station, hospital, etc. in an emergency. Call 911 for assistance.
- Laws in some states prohibit wearing stereo headphones or may prohibit use or placement of a navigation device while operating a motor vehicle. Please contact your state's Department of Motor Vehicles for information.

Head Unit Button Functions

Press the **SRC** button and select the NAV icon to access navigation mode.

While navigating, other sources may be selected and listened to such as AM-FM Tuner, CD, etc. To listen to another source while navigating, press the **SRC** button and then select a source from the Source Menu. Navigation voice prompts will be heard automatically, although the navigation map cannot be seen. To view the navigation screen, but continue to listen to the selected source, press the following button:

- UV9 / VM9213 / VM9212N / VM9312HD: *Press and hold* the **WIDE** button.
- VM9223: *Press and hold* the **PIC** button.
- VM9413 / VM9423: *Press and hold* the **NAV** button.
- VM9412 / VM9512 / AMM10N / VM9512HD / AMM12N: *Press and hold* the **DISP** button.
- VM9022 / VM9022HD: *Press and hold* the **PIP** button.

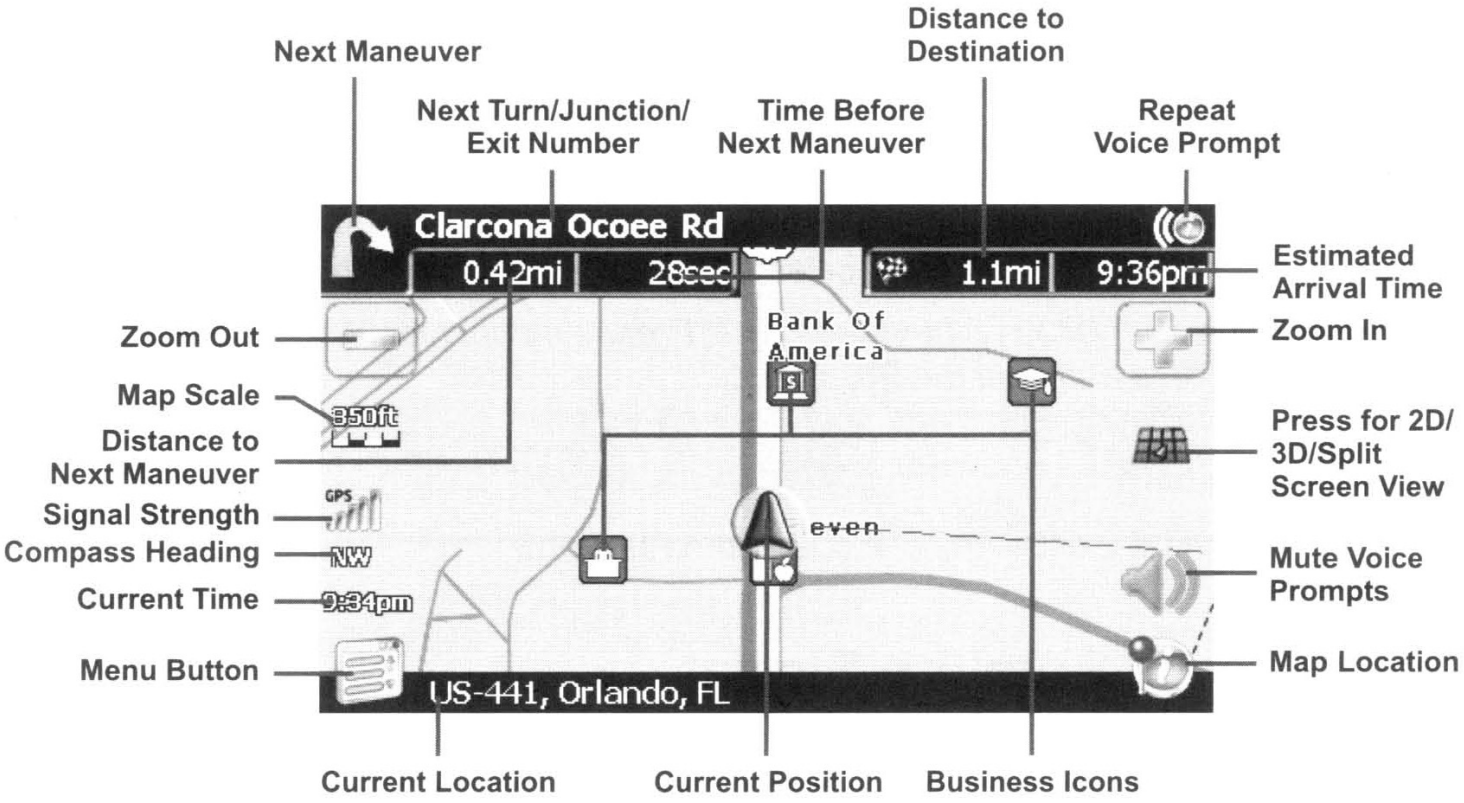
Acquiring a Satellite Signal

Drive your vehicle to an open area where the GPS signal can be clearly received and park the vehicle. If the device is in motion, the signal can take longer to initially connect.

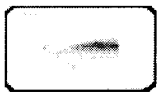
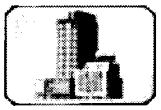
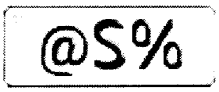
With the ignition on, verify that the "GPS" indicator is green. It may take up to 5 minutes to establish the first connection. Subsequent connections will be faster (30 seconds to 1 minute), but if you have not used the unit for several days or are very far away from the last location you used it, it may take up to 5 minutes again to find a strong signal. If you cannot acquire the signal, drive to another location. If the signal is still unobtainable, check your antenna installation.

Once a GPS signal has been established, verify that the information display clock time (time displayed on the radio) matches the navigation system clock. With an established GPS signal, the software will follow you as you move and navigate.

Navigation Screen Indicators



Keyboard Command Buttons

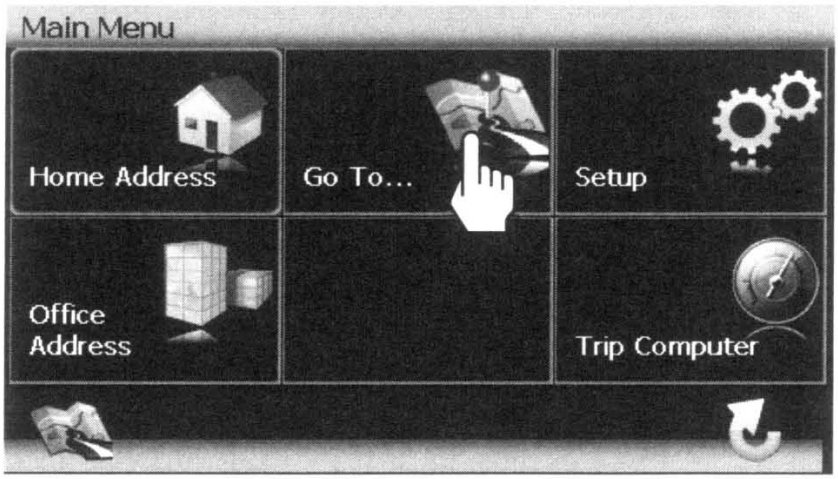
	Press to clear your selection and start over.
	Press to switch to City entry.
	Press to switch to Postal (Zip) Code entry.
	Press to add a space when entering a multi-word location.
	When applicable, the specials button appears to the left of the space button, allowing you to complete your entry of a business name. Press to view the special characters keyboard.
	Press to confirm entry and begin navigation.
	Press to return to the previous screen.

Your NAV102 offers a convenient interactive look-ahead search function to prevent misspelling. Only keys that lead to a search result can be pressed – all others are greyed out.

After entering the second character, only letters that can be used to spell an existing destination will be available for selection of the third character, the fourth character, and so on.

Using the Main Menu

The main menu is your central point of access to all functions of your NAV102. It allows you to set your destination, manage your favorites and control all settings of your device. The "Main Menu" consists of the following options:



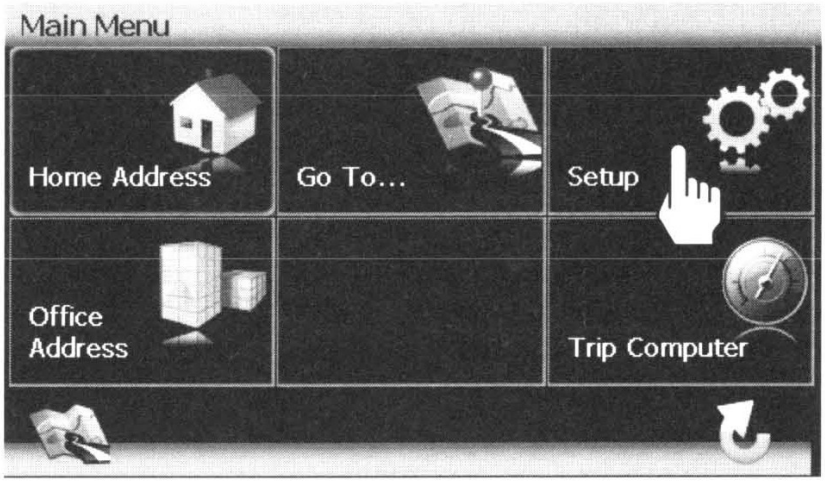
- **Home Address**: Return to Home Address.
- **Go To...**: Choose your destination by searching for an address, choosing an entry from the POI (point of interest) directory, selecting a location from the map, or by choosing a destination from a saved list of recently visited locations or favorites.
- **Setup**: Configure your navigation to suit your needs. Define general settings (e.g. time, language, or system of measurement), configure your map (e.g. 2D or 3D mode, day or night mode, map complexity) or load a map of a different region, set the route options (e.g. choose to avoid or allow toll roads or ferries, or change the volume.
- **Office Address**: Route to Office Address.
- **Trip Computer**: Display Speed, Trip, Odometer and Clock readings.

Press the Map icon, located in the bottom left corner of the screen, to view your current location on the map or to return to map mode from any screen where the Map icon is displayed.

Press the Return icon, located in the bottom right corner of the screen, to return to the previous screen.

User Preference Settings

Use the following sequence of commands to select the appropriate Language, Time Zone, Distance Units and Voice Guidance voice:



1. Language: *Main Menu > Setup > User Preferences > Language Settings > (select language)*
2. Set Time: *Main Menu > Setup > User Preferences > Set Time > (use keypad to enter time) > ✓*
3. Distance Units: *Main Menu > Setup > User Preferences > Distance Units Setup > (select unit of measurement)*
4. Voice Guidance: *Main Menu > Setup > User Preferences > Voice Guidance > (select voice)*

NOTE: Your clock time must begin with 1, 2 or 0. For example, enter "0835" for 8:35 and then press AM or PM, or press 24 for 24-hour clock display (military time). If you press 24 after entering "08:35", the time will automatically be set for AM, since "08:35 PM would be "20:35" in 24-hour display mode.

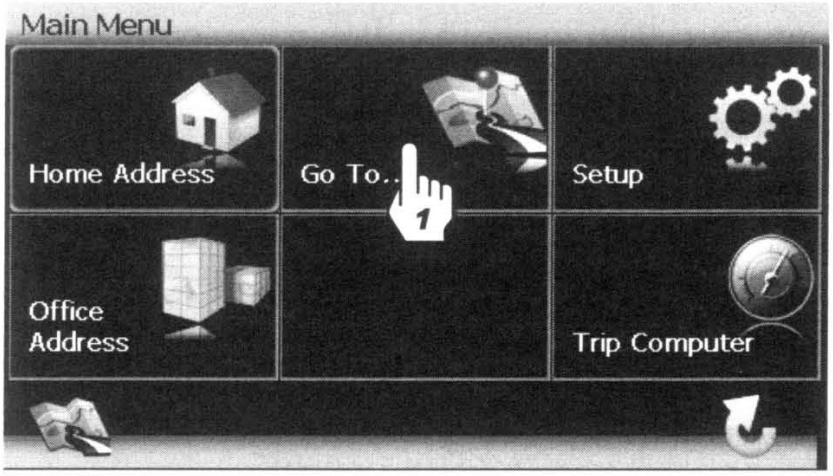
Change Default Location

By default, the system location is Alabama. Use the following sequence of commands to change the default location: *Main Menu > Setup > Location Reset.*

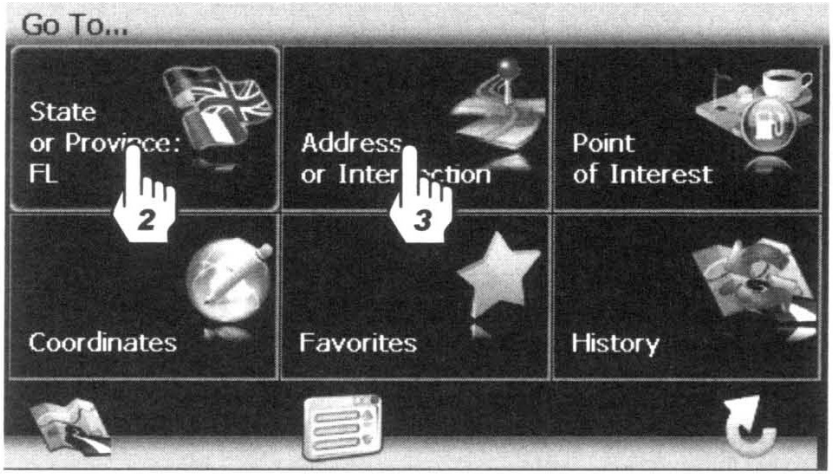
NOTE: The correct location is necessary for accurate results when using Simulation mode.

Find and Navigate to Destination

Before navigating, you must first select the current state or province. To perform this task, select *Go To... > State or Province* from the "Main Menu".



1. State
   a. Use the keypad to begin entering your State or Province name.
   b. Press to highlight a State name or type the full name.
   c. Press ✓ to select the State or Province and return to the "Go To..." screen.

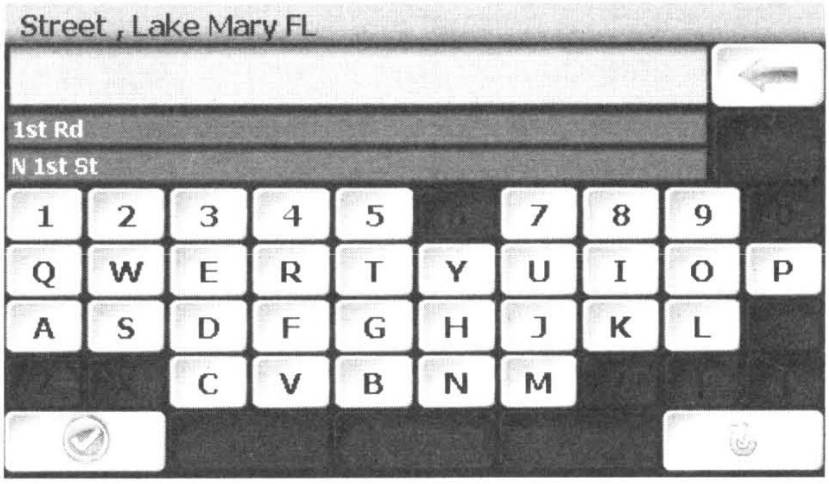


To choose an address, select *Go To... > Address or Intersection* from the "Main Menu".

1. City
   a. Use the keypad to enter the City name. After entering the first letter, the look-ahead feature will only allow entry of characters for existing cities. All other characters will become unavailable. **The blank key at the bottom center of the screen functions as the space bar**.
   b. Press to highlight a City name or type the full name.
   c. Press ✓ to select the City name and proceed to the Street screen.

Find and Navigate to Destination (continued)

2. Street
   a. Use the keypad to enter the Street name.
   c. Once the Street name is recognized, you will automatically be prompted for the street Number.

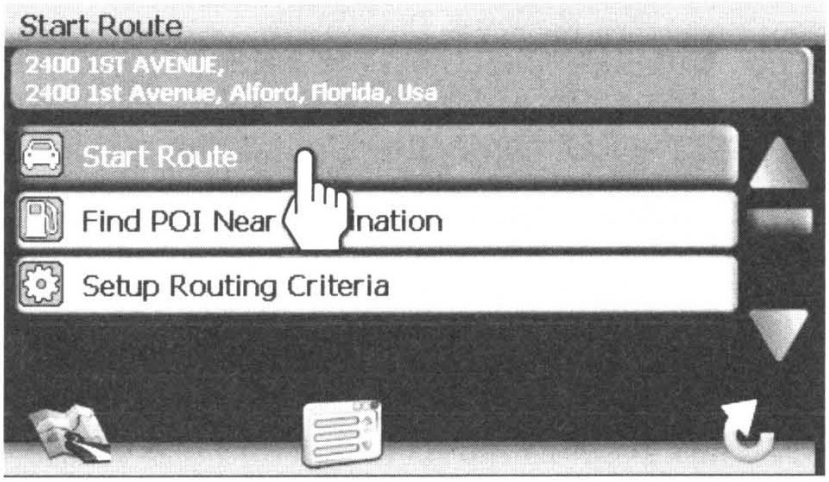


NOTE: Always use the primary street name. For example, do not enter East or E or North or N.

3. Number
   a. Use the keypad to enter the Street number.
   b. Press ✓ to select the Street number and access the "Start Route" screen.

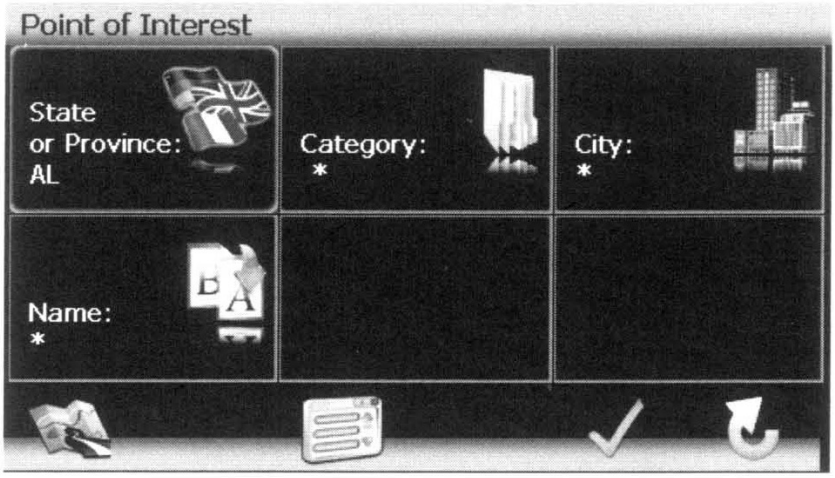
Press **Start Route** to begin navigating to the chosen destination.

You may also choose to find a POI near the chosen destination or to "Setup Routing Criteria" before beginning your route.



Press the Menu icon to return to the Main Menu from any other screen.

Find and Navigate to Point of Interest (POI)



To navigate to a point of interest, begin by selecting *Go To... > Point of Interest* from the "Main Menu".

Complete the POI search as follows:

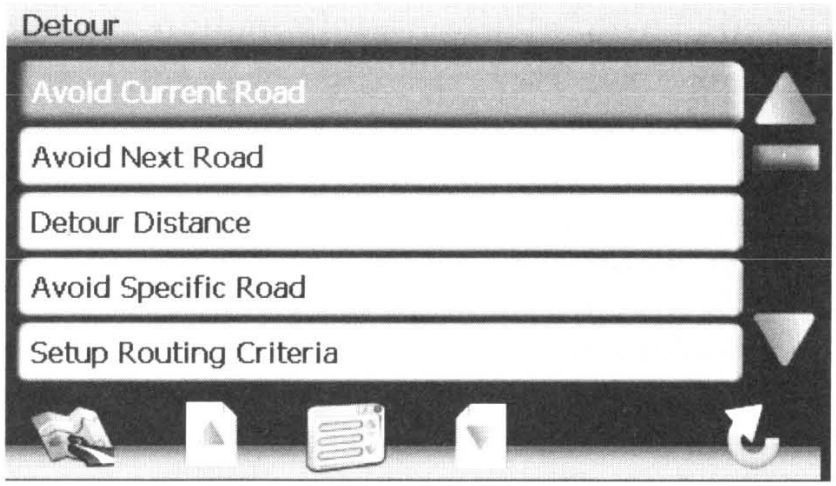
1. Choose the search criteria for your POI search.
   a. **State or Province**: The previously selected State or Province is automatically selected for the POI search. Press the State or Province button to select a different State or Province.
   b. **Category**: Use the scroll bar or arrow buttons to navigate the list and then choose a category. You can also press the button to access the keyboard to enter a category directly.
   c. **City**: Use the keypad to enter a city name.
   d. **Name**: Enter part or all of a POI name to retrieve a very specific list of locations. If the POI name is not found, the system will display "No POI Found".

NOTE: Since business information changes regularly, not all POI categories are available in all areas and some POI's may not be listed for all categories. In addition, the search radius may be restricted to minimize the search time.

2. Press the ✓ button.
3. Select **Sort by Distance** or **Sort by Name**.
4. Press to select a destination and access the "Start Route" screen.
5. Press the **Start Route** button to begin navigation to the chosen POI.

Adding a Detour

If you are unable to complete the route as calculated, you can add a Detour to the route that will allow you to stay on track to your destination. To add a detour while navigating, perform the following steps:



1. Press the button to return to the "Main Menu".
2. Press **Edit Route**.
3. Press **Detour** to view the "Detour" screen.
4. Choose a parameter for the Detour from the on-screen list.
5. The NavMate software will recalculate the route based on you chosen detour information.

Frequently Asked Questions

How do I synchronize my information clock to the navigation clock?

Drive your vehicle to an open area where the GPS signal can be clearly received and park. With the ignition on, verify that the "GPS" indicator shows at least 6 (GPS [6]) satellites. It may take up to 5 minutes to establish the first connection. Subsequent connections will be faster (30 seconds to 1 minute), but if you have not used the unit for several days or are very far away from the last location, it may take up to 5 minutes to find a strong signal again. If you cannot acquire the signal, drive to another location. If the signal is still unobtainable, check your antenna installation. Once a GPS signal has been established, verify that the information display clock time (time displayed on the radio) matches the navigation system clock.

I can't see the navigation display with my sunglasses on. Why?

This device is equipped with polarization technology and may not be viewed with some polarized sunglasses. Please wear non-polarized sunglasses or remove your sunglasses when using the navigation unit.

Why can't I can't find an address?

Since the road networks change constantly with the addition of new neighborhoods and other expansions, it is possible the address you are seeking is not present in the map data.

Why doesn't the system route me the way I expect to go?

Your Routing Criteria will change your route to use or avoid Toll Roads, Highways, Ferries, etc. Modify your preferences under Setup Routing Criteria to see alternate routes.

Path from Main Menu: Setup > Setup Routing Criteria.

Why can't I finish an address search?

On the data entry screens, the blank button (_) at the bottom center of the screen functions as the "space" button. Press the space button to complete the search for entries with more than one word. For example, to locate Lake Mary, enter "Lake_" and then the "M" will become available for selection.

Frequently Asked Questions (continued)

Why is my GPS signal intermittent?

Be sure your antenna has a clear path to the sky with the best location being on the top of the car. Because many modern vehicles have a metallic coating on the front windshield, the dash is not an good location for the GPS antenna. The GPS antenna is not designed to work indoors or in a garage. The GPS antenna should be outside for best performance.

How do I switch back to my music source from the navigation screen?

You can always change the source by pressing the **SRC** button on the control panel and choosing an alternate source. The selected source audio will be muted until the navigation voice prompt command is complete, after which the source audio will resume. *Press and hold* the **PIP** or **DISP** button (depending on your head unit model number) to return to the navigation screen from the radio source.

How do I change the station or track during navigation?

Use the radio joystick controller or the included radio remote control to skip tracks or tune the station up/down while navigating.

Why do I get a message to insert the SD card when it is already inserted?

This can happen if your SD card is not inserted fully. Please remove and reinsert the SD card. If this doesn't work, the data on your SD card may be corrupted. Use your backup disc to restore the data on your SD card.

What happens when I receive a phone call during navigation and I am linked to the radio via Bluetooth?

Your Bluetooth linked phone call will override the Navigation voice commands.

Can I turn off the voice commands?

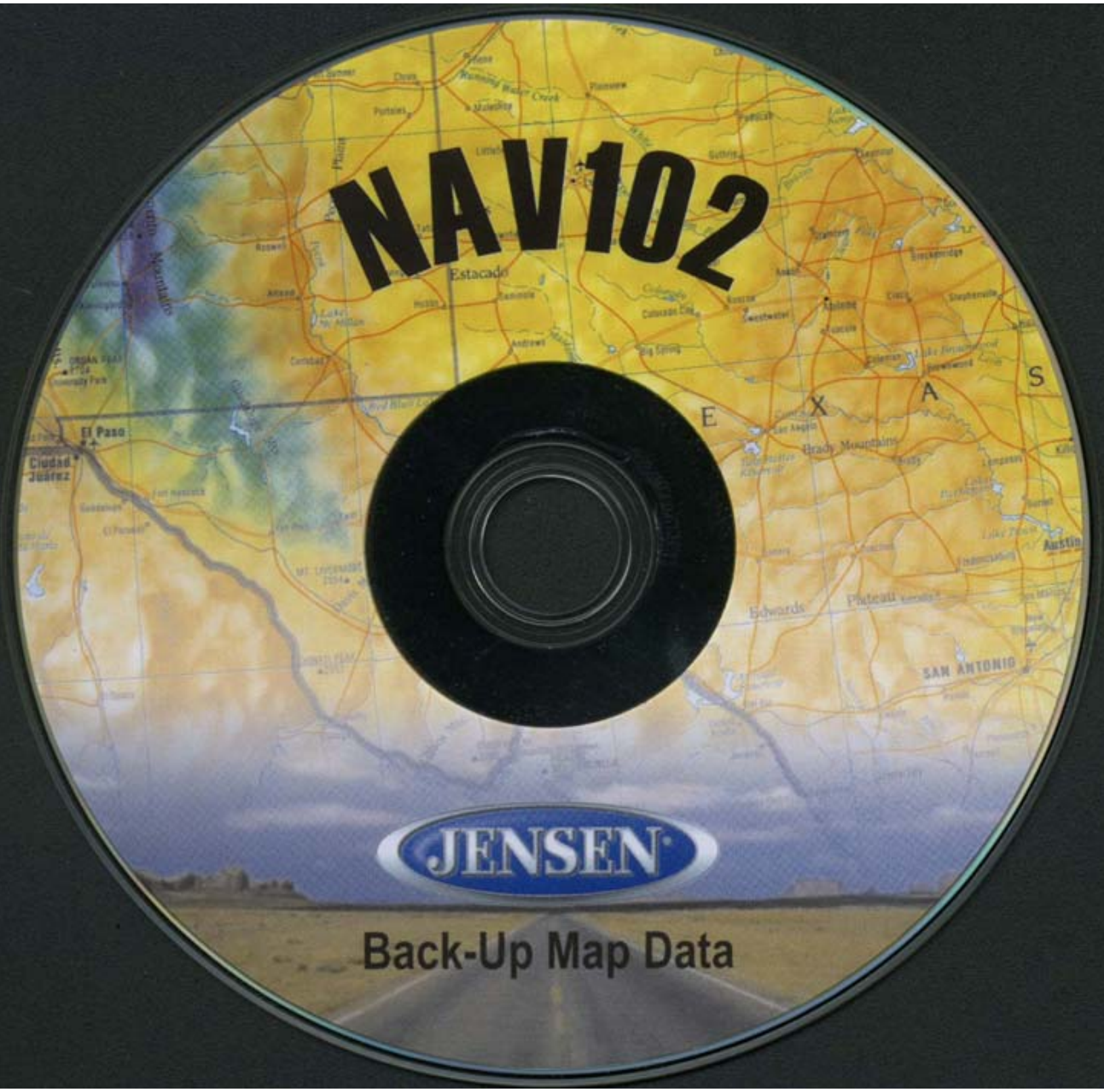
Press the button on the navigation screen to temporarily mute the voice prompts.

JENSEN

Audiovox Electronics Corporation
Hauppauge, NY 11788
www.jensen.com

© 2009 Audiovox
v. 011909
Printed in China/Impreso en China/Imprimé en Chine

P/N: 127070014308


NAV102
Estacado
El Paso
Ciudad Juárez
Brady Mountains
Edwards Plateau
SAN ANTONIO
Austin
JENSEN
Back-Up Map Data

DO NOT RETURN THIS PRODUCT TO THE RETAIL STORE!
FOR ASSISTANCE, PLEASE CALL: 1.800.323.4815 OR VISIT OUR WEBSITE: WWW.JENSEN.COM

NO DEVUELVAS ESTE PRODUCTO A LA TIENDA!
SI NECCESITAS AYUDA, POR FAVOR LLAMEN: 1.800.323.4815
VISITEN EN EL INTERNET: WWW.JENSEN.COM

P/ N:127070003870

emusic

50 FREE MP3s
+1 FREE AUDIOBOOK

- Choose from over 4 Million songs and over 4,000 top-selling audiobooks
- Free Trial Offer—No Risk!
- DRM-free tracks—Burn CDs for your car and home stereo
- Transfer your songs to your RCA Player or any device that plays MP3s
- eMusic songs do not expire - EVER!

JENSEN

Register at:

emusic.com/aac

Get up to 50 songs and 1 audiobook with free 14-day eMusic trial accounts. Offers available to first-time eMusic customers only. Internet access, registration, and credit or debit card required. Offer terms and prices are subject to change without notice and are subject to eMusic's terms of use. eMusic and the eMusic logo are registered trademarks of eMusic.com Inc. in the U.S.A. and other countries. All rights reserved. eMusic is not responsible for products, services or claims made by Audiovox.

50 MP3 GRATUITS
+1 livre audio gratuit

• Choisissez parmi plus de 4 millions de chansons et plus de 4 000 livres audios parmi les plus vendus • Un abonnement d'essai gratuit sans risque! • Aucune restriction relative à la gestion numérique des droits—Gravez des CD et écoutez-les dans votre voiture ou à la maison • Transférez vos chansons sur votre lecteur RCA ou sur n'importe quel reproducteur MP • Les chansons de eMusic n'expirent JAMAIS!

Inscrivez-vous à: www.emusic.com/aac

Obtenez jusqu'à 50 chansons et 1 livre audio avec un abonnement d'essai gratuit d'une durée de 14 jours de eMusic. Cette promotion s'adresse uniquement aux nouveaux clients de eMusic. L'accès à l'internet, l'inscription et une carte de crédit ou de débit sont requis. Les modalités et les prix de la promotion sont modifiables sans préavis et sont soumis aux conditions d'utilisation de eMusic.eMusic et le logo de eMusic sont des marques de commerce enregistrées de eMusic.com Inc. Aux États-Unis et dans d'autres pays. Tous droits réservés. eMusic décline toute responsabilité à l'égard des produits, services ou allégations présentés par Audiovox.

50 MP3 GRATIS
+1 audiolibro gratis

• Elija entre más de 4 millones de canciones y más de 4,000 audiolibros de los más vendidos • Oferta de prueba gratis—¡Sin riesgo! • Pistas sin protección de derechos de autor - Queme sus CDs para su auto y estéreo del hogar • Transfiera sus canciones a su reproductor de RCA o a cualquier dispositivo que reproduzca MP3s • Las canciones de eMusic no vencen—¡NUNCA!

Regístrese en: www.emusic.com/aac

Obtenez jusqu'à 50 chansons et 1 livre audio avec un abonnement d'essai gratuit d'une durée de 14 jours de eMusic. Cette promotion s'adresse uniquement aux nouveaux clients de eMusic. L'accès à l'internet, l'inscription et une carte de crédit ou de débit sont requis. Les modalités et les prix de la promotion sont modifiables sans préavis et sont soumis aux conditions d'utilisation de eMusic.eMusic et le logo de eMusic sont des marques de commerce enregistrées de eMusic.com Inc. Aux États-Unis et dans d'autres pays. Tous droits réservés. eMusic décline toute responsabilité à l'égard des produits, services ou allégations présentés par Audiovox.

eMusic

Nº 1 Site for Independent Music

P/N.:127070004843

Three easy steps!

1. Visit www.jensen.com.

2. Click on the Victory Technology Installation Excellence Logo as shown above.

3. Enter your product serial number (example: xxxx_xxxxxxx_xx).

4. Follow the on-screen steps to download the Installation Excellence program!

INSTALL

if it's too
LOUD
JENSEN
you're too
OLD!